

Converting Colors

XYZ(81.0619, 100.0000,
83.1638)

Have a look what the booklet for
XYZ(81.0619, 100.0000, 83.1638)
contains.

XYZ(76.5427, 91.0366, 81.9442)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.5427, 91.0366,
81.9442)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FFDD
RGB	214, 255, 221
RGB Percent	84%, 100%, 87%
CMY	0.1608, 0.0000, 0.1333
CMYK	0.16, 0.00, 0.13, 0.00
HSL	130°, 100%, 92%
HSV	130°, 16%, 100%
XYZ	76.5427, 91.0366, 81.9442
YIQ	238.8650, -13.5220, -19.2660

Conversions

Conversions Part 2

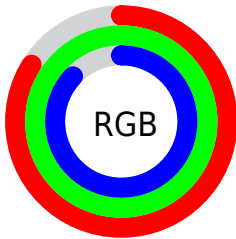
Format	Color
RYB	214, 249, 255
Decimal	14090205
CIELab	96.43, -19.41, 11.92
CIELCh	96, 22.773, 148.451
Yxy	91.0366, 0.3068, 0.3648
Android (android.graphics.Color)	4292280285 (0xFFD6FFDD)
YUV	238.8650, -8.8074, -21.8066
Hunter-Lab	95.4131, -23.7759, 15.8688

Details

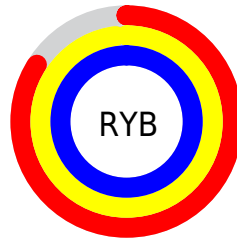
The XYZ color **76.5427, 91.0366, 81.9442** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.2302, 76.1312, 99.1674**, and the grayscale version is **82.0125, 86.2835, 93.9628**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3751, 50.5123, 43.6455** is the 20% darker color. If you saturate the color by 10%, you get **67.0313, 86.4386, 67.7068**, and if you desaturate by 10%, it is **87.5754, 96.3778, 98.1080**.

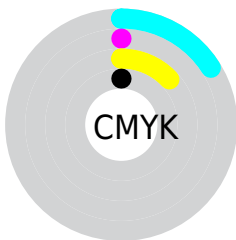
Distribution



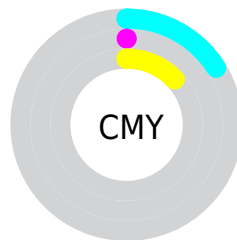
- Red (84%)
- Green (100%)
- Blue (87%)



- Red (84%)
- Yellow (98%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.5427, 91.0366, 81.9442 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.5427, 91.0366, 81.9442 by changing the saturation by 10% instead.


 76.5427, 91.0366,
81.9442

 76.5427, 91.0366,
81.9442


472.1193,
531.3971, 521.3396

 57.1762, 68.8407,
60.7840


127.4700,
148.7774, 137.9317

 41.3874, 50.5820,
43.6214


159.7616,
185.0912, 173.5961

 28.8110, 35.8761,
30.0380


197.0923,
226.8797, 214.9324

 19.0814, 24.3385,
19.6151

239.8274,
274.5273, 262.3589

 11.8335, 15.5849,
11.9343

288.3323,
328.4185, 316.2944

 6.7018, 9.2309,
6.5770

342.9723,

 3.3210, 4.8921,

388.9376, 377.1573

3.1246

404.1129,
456.4690, 445.3662

■ 1.3257, 2.1841,
1.1586

■ 0.2023, 0.7113,
0.0000

■ 76.5427, 91.0366,
81.9442

■ 76.5427, 91.0366,
81.9442

■ 67.0313, 86.4386,
67.7068

■ 87.5754, 96.3778,
98.1080

■ 58.9720, 82.5497,
55.3198

95.0500, 100.0000,
108.9000

■ 52.2931, 79.3345,
44.7084

■ 46.9160, 76.7543,
35.7911

■ 42.7543, 74.7664,
28.4799

■ 39.7106, 73.3226,
22.6792

■ 37.6722, 72.3669,
18.2826

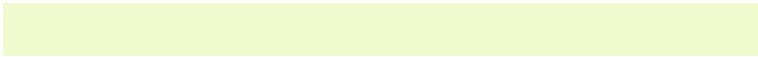
■ 36.5013, 71.8310,
15.1703

■ 36.2060, 71.6984,
14.2688

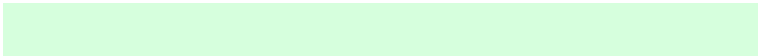
Harmonies

Analogous

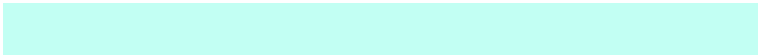
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8452, 91.0366, 71.4701



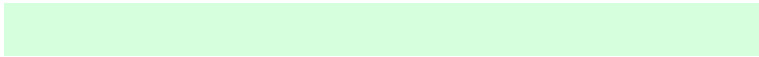
76.5427, 91.0366, 81.9442



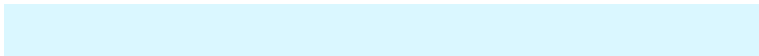
74.8972, 91.0366, 98.1817

Triad

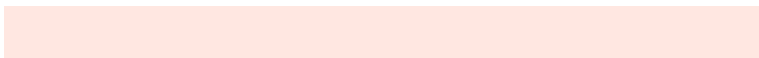
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5427, 91.0366, 81.9442



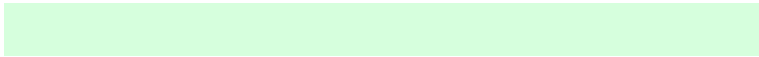
86.1981, 91.0366, 138.3089



97.7023, 91.0366, 83.3939

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.5427, 91.0366, 81.9442



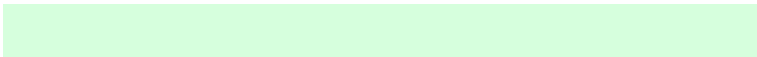
82.2302, 76.1312, 99.1674

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.3036, 91.0366, 100.0711



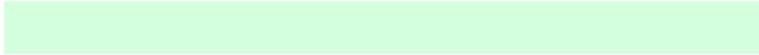
76.5427, 91.0366, 81.9442



92.4701, 91.0366, 133.1225

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5427, 91.0366, 81.9442



80.3004, 91.0366, 131.9759



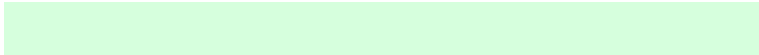
97.3450, 91.0366, 118.5499



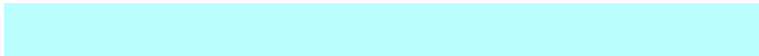
93.0686, 91.0366, 72.2324

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



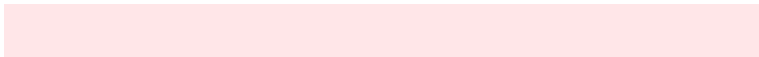
76.5427, 91.0366, 81.9442



75.4641, 91.0366, 110.5964



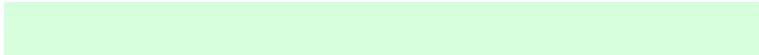
97.3450, 91.0366, 118.5499



98.6227, 91.0366, 88.4726

Sweetspot

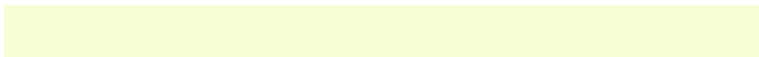
The Sweet Spot groups the original color and five complimentary colors.



76.5434, 91.0369, 81.9456



88.8579, 96.9991, 99.9677



86.6684, 96.3621, 77.6512



18.8398, 20.6749, 21.1371



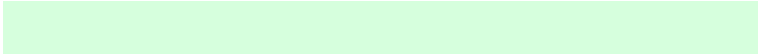
0.0000, 0.0000, 0.0000



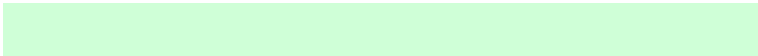
20.3446, 21.4041, 23.3091

Same Dimension

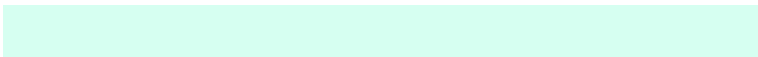
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5434, 91.0369, 81.9456



73.6095, 89.6179, 77.5890



79.4191, 92.1872, 97.0889



17.8981, 20.2188, 19.7664



18.9551, 37.4786, 7.6487



1.8791, 3.6626, 0.9210

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



82.2302, 76.1312, 99.1674



80.1904, 72.3665, 97.5168



79.2445, 74.9369, 83.4448



18.6517, 18.2440, 22.0488



27.7716, 13.5980, 33.7776



2.7376, 1.3374, 3.4657

Previews

White Background



This preview shows how the XYZ color 76.5427, 91.0366, 81.9442 looks on a white background.

Color Contrast Check

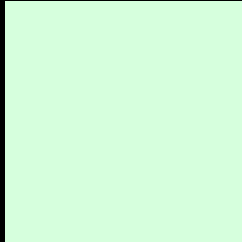
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.5427, 91.0366, 81.9442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

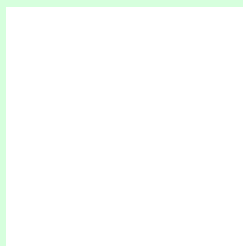
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.5427, 91.0366, 81.9442

Background



This preview shows how black text looks on a background with the XYZ color 76.5427, 91.0366, 81.9442.



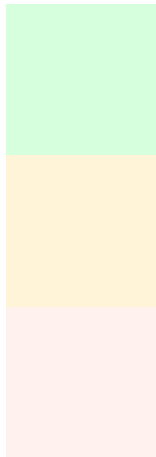
This preview shows how white text looks on a background with the XYZ color 76.5427, 91.0366,

81.9442.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.5427, 91.0366, 81.9442

Protanopia

85.6853, 90.3191, 77.8830

Deuteranopia

88.1279, 90.3436, 93.6821



Tritanopia

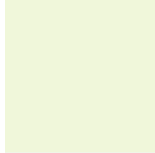
85.2667, 90.7937, 107.6386

Trichromacy



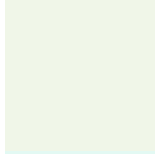
Original Color

76.5427, 91.0366, 81.9442



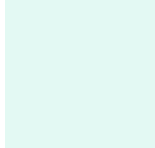
Protanomaly

81.8508, 90.1087, 79.4084



Deuteranomaly

83.4564, 90.2630, 89.3678



Tritanomaly

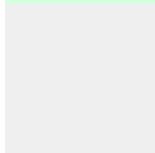
81.7319, 90.5533, 97.9648

Monochromacy



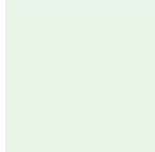
Original Color

76.5427, 91.0366, 81.9442



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.8510, 87.9540, 89.1122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5427, 91.0366, 81.9442 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(214, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 221)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(214, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 76.5427, 91.0366, 81.9442 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(214, 255, 221) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(214, 255, 221) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(214, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5427, 91.0366, 81.9442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 221) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(214,  
255, 221) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor