

Converting Colors

XYZ(81.0014, 100.0000,
80.2520)

Have a look what the booklet for
XYZ(81.0014, 100.0000, 80.2520)
contains.

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Color

**XYZ(76.4736, 91.0768,
78.5147)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFD8
RGB	216, 255, 216
RGB Percent	85%, 100%, 85%
CMY	0.1529, 0.0000, 0.1529
CMYK	0.15, 0.00, 0.15, 0.00
HSL	120°, 100%, 92%
HSV	120°, 15%, 100%
XYZ	76.4736, 91.0768, 78.5147
YIQ	238.8930, -10.7250, -20.3970

Conversions

Conversions Part 2

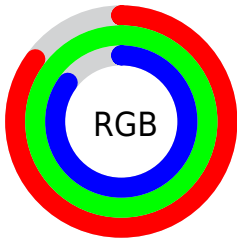
Format	Color
R _Y B	216, 255, 255
Decimal	14221272
CIE Lab	96.44, -19.62, 14.52
CIE LCh	96, 24.406, 143.497
Yxy	91.0768, 0.3108, 0.3701
Android (android.graphics.Color)	4292411352 (0xFFD8FFD8)
YUV	238.8930, -11.2862, -20.0772
Hunter-Lab	95.4342, -23.9736, 18.0254

Details

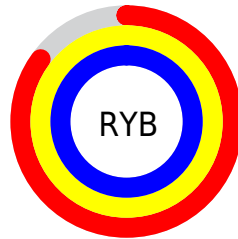
The XYZ color **76.4736, 91.0768, 78.5147** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.8462, 77.5925, 105.1651**, and the grayscale version is **82.0514, 86.3245, 94.0074**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3250, 50.5384, 41.2950** is the 20% darker color. If you saturate the color by 10%, you get **66.4700, 86.2716, 62.1522**, and if you desaturate by 10%, it is **88.1593, 96.6901, 97.6291**.

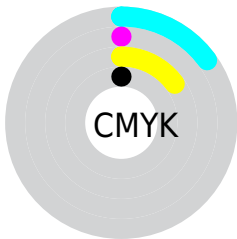
Distribution



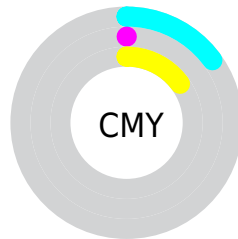
- Red (85%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4736, 91.0768, 78.5147 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 76.4736, 91.0768, 78.5147 by changing the saturation by 10% instead.


 76.4736, 91.0768,
78.5147

 76.4736, 91.0768,
78.5147


471.8869,
531.5274, 509.4872

 57.1194, 68.8741,
57.9779


127.3729,
148.8332, 133.0679

 41.3416, 50.6092,
41.3763


159.6487,
185.1557, 167.9214

 28.7749, 35.8977,
28.2913


196.9624,
226.9536, 208.3842

 19.0541, 24.3552,
18.3044

239.6794,
274.6112, 254.8749

 11.8136, 15.5973,
10.9971

288.1650,
328.5130, 307.8120

 6.6882, 9.2396,
5.9507

342.7845,

 3.3124, 4.8978,

389.0434, 367.6141

2.7468

403.9034,
456.5868, 434.6996

■ 1.3211, 2.1874,
0.9669

■ 0.1989, 0.7131,
0.0000

■ 76.4736, 91.0768,
78.5147

■ 76.4736, 91.0768,
78.5147

■ 66.4700, 86.2716,
62.1522

■ 88.1593, 96.6901,
97.6291

■ 58.0691, 82.2362,
48.4111

95.0500, 100.0000,
108.9000

■ 51.1884, 78.9311,
37.1565

■ 45.7371, 76.3125,
28.2397

■ 41.6145, 74.3322,
21.4964

■ 38.7073, 72.9357,
16.7411

■ 36.8830, 72.0594,
13.7570

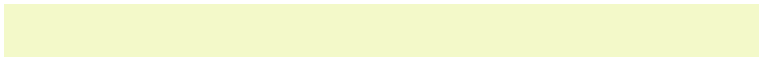
■ 35.9780, 71.6247,
12.2767

■ 35.7600, 71.5200,
11.9201

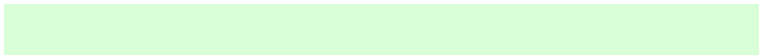
Harmonies

Analogous

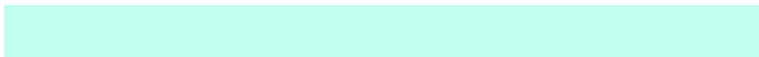
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4558, 91.0768, 68.6329



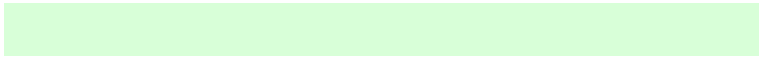
76.4736, 91.0768, 78.5147



74.2118, 91.0768, 94.9856

Triad

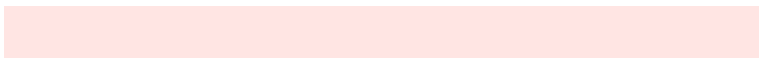
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4736, 91.0768, 78.5147



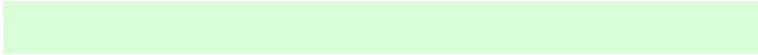
85.0931, 91.0768, 141.2273



99.1211, 91.0768, 84.9717

Complementary

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



76.4736, 91.0768, 78.5147



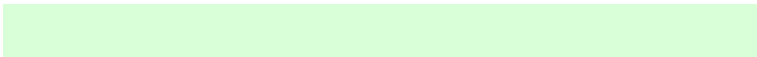
83.8462, 77.5925, 105.1651

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.



100.2199, 91.0768, 103.4696



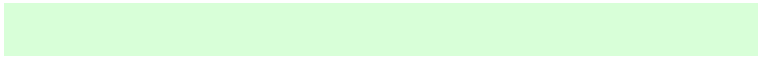
76.4736, 91.0768, 78.5147



91.8851, 91.0768, 137.6323

Square

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



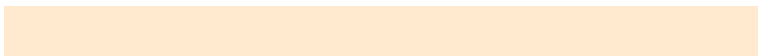
76.4736, 91.0768, 78.5147



79.0172, 91.0768, 132.4218



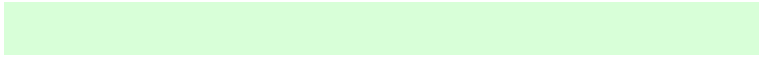
97.5089, 91.0768, 123.1565



94.5804, 91.0768, 72.0055

Rectangle

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



76.4736, 91.0768, 78.5147



74.4621, 91.0768, 108.1677



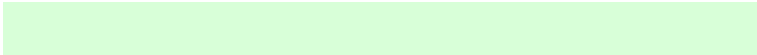
97.5089, 91.0768, 123.1565



99.9148, 91.0768, 90.6803

Sweetspot

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



76.4743, 91.0771, 78.5161



88.5284, 96.8674, 98.2328



89.3949, 97.7379, 79.1205



18.7601, 20.6430, 20.7174



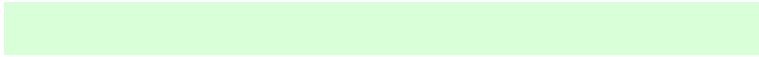
0.0000, 0.0000, 0.0000



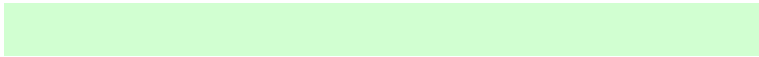
20.3446, 21.4041, 23.3091

Same Dimension

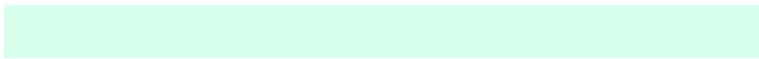
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4743, 91.0771, 78.5161



73.6039, 89.6983, 73.8210



79.1472, 92.1463, 92.5917



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



83.8462, 77.5925, 105.1651



82.1149, 74.1300, 104.5879



80.8641, 76.3997, 89.4618



18.7928, 18.3004, 22.7918



30.9801, 14.8813, 50.6730



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 76.4736, 91.0768, 78.5147 looks on a white background.

Color Contrast Check

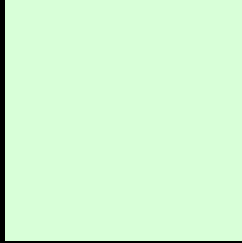
Large Text (above 18pt) WCAG AA × Fail

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 76.4736, 91.0768, 78.5147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

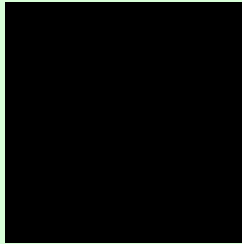
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

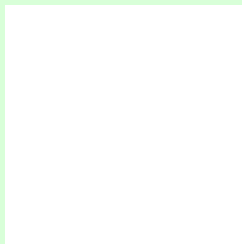
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.4736, 91.0768, 78.5147

Background



This preview shows how black text looks on a background with the XYZ color 76.4736, 91.0768, 78.5147.

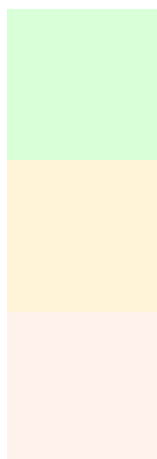


This preview shows how white text looks on a background with the XYZ color 76.4736, 91.0768,

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

76.4736, 91.0768, 78.5147

Protanopia

85.8564, 90.8677, 77.3041

Deuteranopia

88.2782, 90.8787, 93.0093



Tritanopia

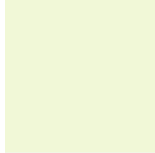
85.5978, 90.9644, 107.6541

Trichromacy



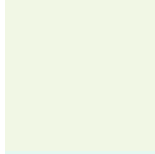
Original Color

76.4736, 91.0768, 78.5147



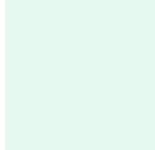
Protanomaly

82.1088, 90.7419, 77.4773



Deuteranomaly

83.6792, 90.8794, 87.2599



Tritanomaly

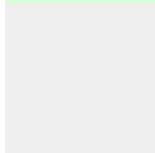
82.0660, 90.7603, 96.4122

Monochromacy



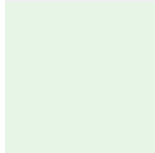
Original Color

76.4736, 91.0768, 78.5147



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.0312, 88.0633, 88.3811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4736, 91.0768, 78.5147 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(216, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 216)  
}
```

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(216, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 76.4736, 91.0768, 78.5147 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(216, 255, 216) }
```


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

```
.border{ border-color:rgb(216, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4736, 91.0768, 78.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 216) }
```

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

```
.background{ background-color: rgb(216,  
255, 216) }
```

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](#).

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