

Converting Colors

XYZ(81.1772, 100.0000,
86.1435)

Have a look what the booklet for
XYZ(81.1772, 100.0000, 86.1435)
contains.

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Color

**XYZ(76.7912, 91.1024,
84.7714)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FFE1
RGB	213, 255, 225
RGB Percent	84%, 100%, 88%
CMY	0.1647, 0.0000, 0.1176
CMYK	0.16, 0.00, 0.12, 0.00
HSL	137°, 100%, 92%
HSV	137°, 16%, 100%
XYZ	76.7912, 91.1024, 84.7714
YIQ	239.0220, -15.4020, -18.2340

Conversions

Conversions Part 2

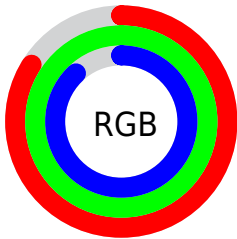
Format	Color
R _Y B	213, 246, 255
Decimal	14024673
CIE Lab	96.45, -19.02, 9.89
CIE LCh	96, 21.440, 152.519
Yxy	91.1024, 0.3039, 0.3606
Android (android.graphics.Color)	4292214753 (0xFFD5FFE1)
YUV	239.0220, -6.9128, -22.8213
Hunter-Lab	95.4476, -23.4232, 14.1551

Details

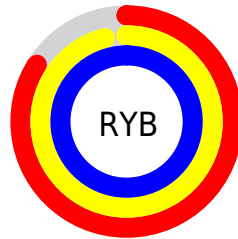
The XYZ color **76.7912, 91.1024, 84.7714** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.2123, 75.3204, 95.0517**, and the grayscale version is **82.1215, 86.3982, 94.0877**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5503, 50.5595, 45.5992** is the 20% darker color. If you saturate the color by 10%, you get **67.6131, 86.6428, 72.0560**, and if you desaturate by 10%, it is **87.3989, 96.2682, 98.9402**.

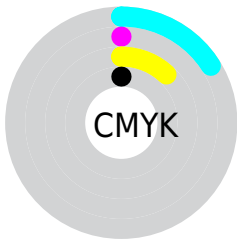
Distribution



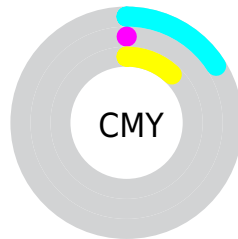
- Red (84%)
- Green (100%)
- Blue (88%)



- Red (84%)
- Yellow (96%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7912, 91.1024, 84.7714 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 76.7912, 91.1024, 84.7714 by changing the saturation by 10% instead.


 76.7912, 91.1024,
84.7714

 76.7912, 91.1024,
84.7714


472.9547,
531.6104, 530.9962

 57.3808, 68.8953,
63.1034

127.8191,
148.8687, 141.9251

 41.5524, 50.6265,
45.4834


160.1674,
185.1968, 178.2479

 28.9406, 35.9114,
31.4926


197.5590,
227.0006, 220.2927

 19.1799, 24.3658,
20.7126

240.3593,
274.6646, 268.4781

 11.9051, 15.6052,
12.7249

288.9337,
328.5732, 323.2226

 6.7508, 9.2452,
7.1109

343.6475,

 3.3517, 4.9015,

389.1108, 384.9448

3.4521

404.8660,
456.6617, 454.0631

■ 1.3424, 2.1896,
1.3298

■ 0.2146, 0.7143,
0.0861

■ 76.7912, 91.1024,
84.7714

■ 76.7912, 91.1024,
84.7714

■ 67.6131, 86.6428,
72.0560

■ 87.3989, 96.2682,
98.9402

■ 59.7998, 82.8572,
60.7435

95.0500, 100.0000,
108.9000

■ 53.2849, 79.7123,
50.7869

■ 47.9953, 77.1714,
42.1348

■ 43.8504, 75.1942,
34.7326

■ 40.7597, 73.7351,
28.5215

■ 38.6177, 72.7412,
23.4383

■ 37.2946, 72.1469,
19.4130

■ 36.9580, 71.9992,
18.2287

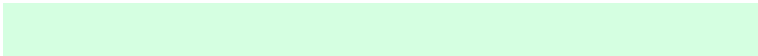
Harmonies

Analogous

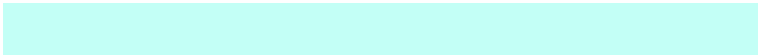
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5590, 91.1024, 73.9541



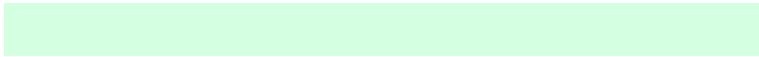
76.7912, 91.1024, 84.7714



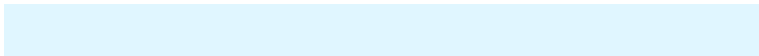
75.6108, 91.1024, 100.6481

Triad

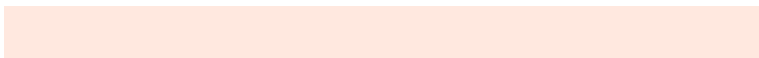
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7912, 91.1024, 84.7714



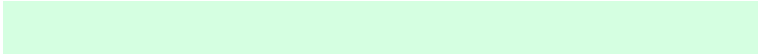
87.0960, 91.1024, 135.8360



96.6447, 91.1024, 82.5358

Complementary

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



76.7912, 91.1024, 84.7714



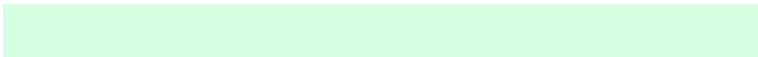
81.2123, 75.3204, 95.0517

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.



98.5839, 91.1024, 97.7560



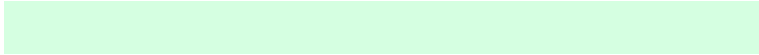
76.7912, 91.1024, 84.7714



92.9150, 91.1024, 129.6106

Square

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



76.7912, 91.1024, 84.7714



81.3953, 91.1024, 131.3466



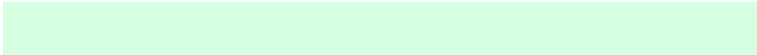
97.1890, 91.1024, 115.1684



92.0013, 91.1024, 72.7714

Rectangle

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



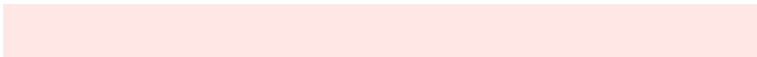
76.7912, 91.1024, 84.7714



76.4037, 91.1024, 112.3392



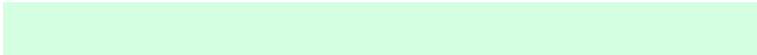
97.1890, 91.1024, 115.1684



97.6438, 91.1024, 87.1183

Sweetspot

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



76.7920, 91.1027, 84.7728



89.0820, 97.0888, 101.1477



84.7673, 95.3968, 76.8976



18.8941, 20.6966, 21.4230



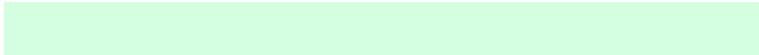
0.0000, 0.0000, 0.0000



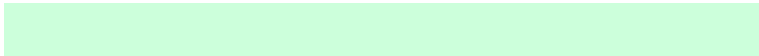
20.3446, 21.4041, 23.3091

Same Dimension

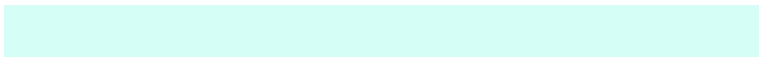
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7920, 91.1027, 84.7728



73.3918, 89.4493, 80.1204



79.8203, 92.3141, 100.7200



17.9849, 20.2535, 20.2237



19.3665, 37.6432, 9.8153



1.9303, 3.6830, 1.1907

Inverse Universe

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



81.2123, 75.3204, 95.0517



78.6247, 70.7624, 92.2861



78.2331, 74.1287, 79.3634



18.5584, 18.2067, 21.5575



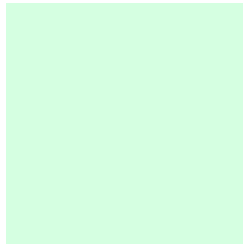
26.0357, 12.9036, 24.6365



2.5821, 1.2752, 2.6470

Previews

White Background



This preview shows how the XYZ color 76.7912, 91.1024, 84.7714 looks on a white background.

Color Contrast Check

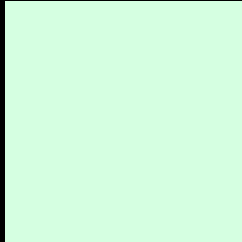
Large Text (above 18pt) WCAG AA × Fail

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 76.7912, 91.1024, 84.7714 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

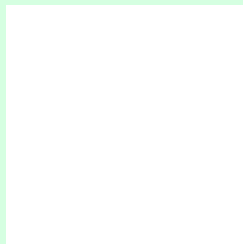
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7912, 91.1024, 84.7714

Background



This preview shows how black text looks on a background with the XYZ color 76.7912, 91.1024, 84.7714.



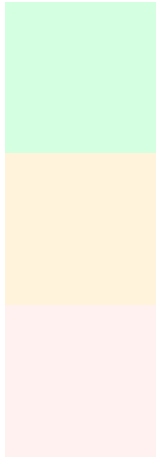
This preview shows how white text looks on a background with the XYZ color 76.7912, 91.1024,

84.7714.

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

76.7912, 91.1024, 84.7714

Protanopia

86.0768, 90.4757, 79.9446

Deuteranopia

88.2753, 90.4026, 94.4582



Tritanopia

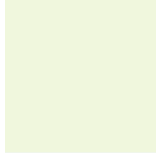
85.2667, 90.7937, 107.6386

Trichromacy



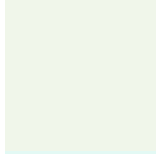
Original Color

76.7912, 91.1024, 84.7714



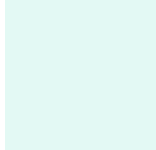
Protanomaly

82.2471, 90.2673, 81.4950



Deuteranomaly

83.7422, 90.3773, 90.8728



Tritanomaly

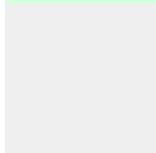
81.8834, 90.6139, 98.7625

Monochromacy



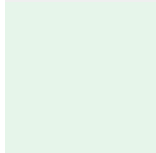
Original Color

76.7912, 91.1024, 84.7714



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.1368, 88.0683, 90.6171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7912, 91.1024, 84.7714 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(213, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 225)  
}
```

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(213, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 76.7912, 91.1024, 84.7714 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(213, 255, 225) }
```


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

```
.border{ border-color:rgb(213, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7912, 91.1024, 84.7714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 225) }
```

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

```
.background{ background-color: rgb(213,  
255, 225) }
```

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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