

Converting Colors

XYZ(75.0736, 83.7020, 89.2828)

Have a look what the booklet for
XYZ(75.0736, 83.7020, 89.2828)
contains.

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Color

**XYZ(75.0767, 83.6992,
89.2894)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF1E9
RGB	218, 241, 233
RGB Percent	85%, 95%, 91%
CMY	0.1451, 0.0549, 0.0863
CMYK	0.10, 0.00, 0.03, 0.05
HSL	159°, 45%, 90%
HSV	159°, 10%, 95%
XYZ	75.0767, 83.6992, 89.2894
YIQ	233.2110, -11.1400, -7.3640

Conversions

Conversions Part 2

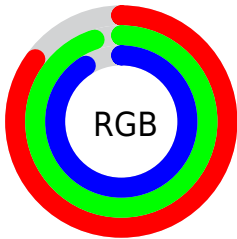
Format	Color
R _{YB}	218, 232, 241
Decimal	14348777
CIE Lab	93.32, -9.01, 1.28
CIE LCh	93, 9.101, 171.912
Yxy	83.6992, 0.3026, 0.3374
Android (android.graphics.Color)	4292538857 (0xFFDAF1E9)
YUV	233.2110, -0.1040, -13.3400
Hunter-Lab	91.4873, -13.6212, 6.1755

Details

The XYZ color **75.0767, 83.6992, 89.2894** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.0775, 74.3367, 82.3468**, and the grayscale version is **77.6197, 81.6620, 88.9299**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3890, 45.6588, 48.2793** is the 20% darker color. If you saturate the color by 10%, you get **67.2180, 79.7853, 82.8175**, and if you desaturate by 10%, it is **84.0450, 88.1831, 96.1139**.

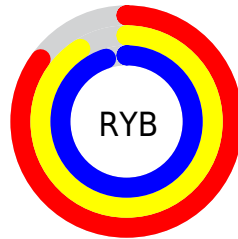
Distribution



Red (85%)

Green (95%)

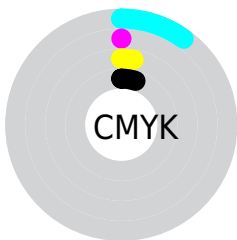
Blue (91%)



Red (85%)

Yellow (91%)

Blue (95%)

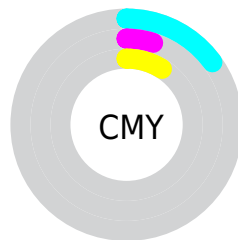


Cyan (10%)

Magenta (0%)

Yellow (3%)

Black (5%)



Cyan (15%)

Magenta (5%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0767, 83.6992, 89.2894 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 75.0767, 83.6992, 89.2894 by changing the saturation by 10% instead.

■ 75.0767, 83.6992,
89.2894

■ 75.0767, 83.6992,
89.2894

467.1743,
507.3138, 546.2269

■ 55.9701, 62.7671,
66.8210

125.4083,
138.5543, 148.2778

■ 40.4159, 45.6528,
48.4785

157.3639,
173.2462, 185.6350

■ 28.0486, 31.9720,
33.8433

194.3334,
213.2934, 228.7921

■ 18.5029, 21.3401,
22.4969

236.6819,
259.0803, 278.1678

■ 11.4135, 13.3728,
14.0206

284.7749,
310.9915, 334.1806

■ 6.4150, 7.6858,
7.9961

338.9778,

■ 3.1421, 3.8945,

369.4112, 397.2490

4.0047

399.6558,
434.7238, 467.7916

■ 1.2293, 1.6147,
1.6279

■ 0.1294, 0.3675,
0.3106

■ 75.0767, 83.6992,
89.2894

■ 75.0767, 83.6992,
89.2894

■ 67.2180, 79.7853,
82.8175

■ 84.0450, 88.1831,
96.1139

■ 60.4160, 76.4074,
76.6864

■ 89.9165, 91.0616,
103.0929

■ 54.6239, 73.5438,
70.8916

■ 90.7469, 91.3938,
107.4656

■ 49.7887, 71.1671,
65.4262

■ 45.8523, 69.2476,
60.2832

■ 42.7499, 67.7518,
55.4551

■ 40.4077, 66.6421,
50.9340

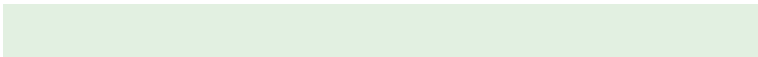
■ 38.7382, 65.8732,
46.7109

■ 37.6022, 65.3734,
42.7746

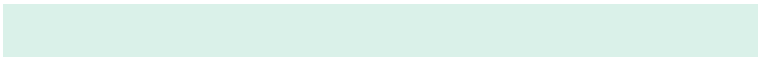
Harmonies

Analogous

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



75.9805, 83.6992, 83.2309



75.0767, 83.6992, 89.2894



75.3533, 83.6992, 96.1498

Triad

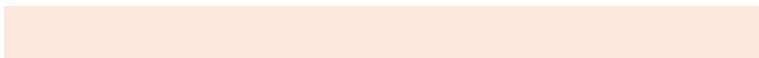
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0767, 83.6992, 89.2894



81.2861, 83.6992, 103.9385



82.4310, 83.6992, 81.1340

Complementary

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



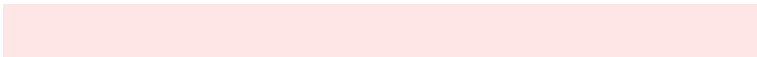
75.0767, 83.6992, 89.2894



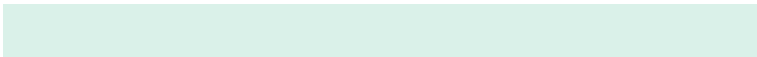
75.0775, 74.3367, 82.3468

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.



83.9071, 83.6992, 86.2961



75.0767, 83.6992, 89.2894



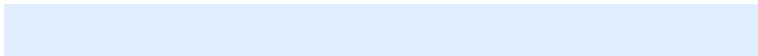
83.2369, 83.6992, 99.5226

Square

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



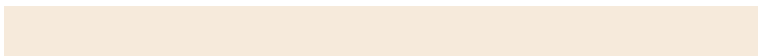
75.0767, 83.6992, 89.2894



78.9068, 83.6992, 104.8387



84.2050, 83.6992, 93.0042



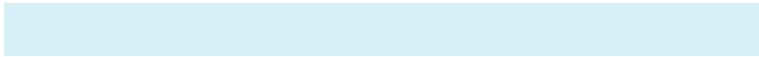
80.2039, 83.6992, 78.6793

Rectangle

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



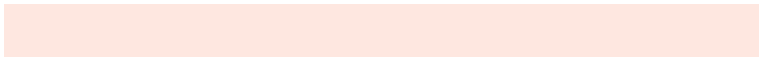
75.0767, 83.6992, 89.2894



76.1724, 83.6992, 100.2398



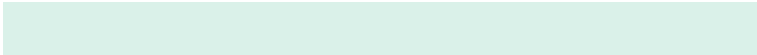
84.2050, 83.6992, 93.0042



83.0333, 83.6992, 82.5974

Sweetspot

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



75.0791, 83.7027, 89.2912



91.8657, 98.4076, 106.5296



75.4926, 84.1531, 78.5951



19.4851, 20.9743, 22.6674



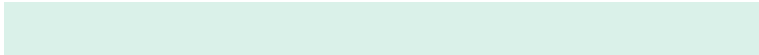
0.0000, 0.0000, 0.0000



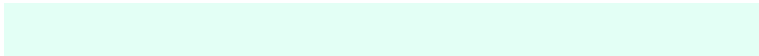
20.3446, 21.4041, 23.3091

Same Dimension

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



75.0791, 83.7027, 89.2912



83.9410, 94.4500, 100.3854



75.2370, 82.1470, 95.1138



16.0002, 17.8301, 19.0238



20.4307, 35.4643, 23.4489



1.7464, 2.9690, 2.1970

Inverse Universe

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



75.0775, 74.3367, 82.3468



83.9390, 82.2683, 91.3536



74.9086, 75.7158, 76.9974



15.9998, 15.8497, 17.5554



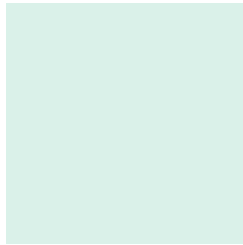
20.5935, 10.5098, 5.7757



1.7585, 0.8924, 0.7192

Previews

White Background



This preview shows how the XYZ color 75.0767, 83.6992, 89.2894 looks on a white background.

Color Contrast Check

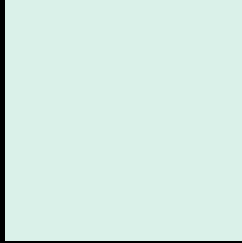
Large Text (above 18pt) WCAG AA × Fail

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 75.0767, 83.6992, 89.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

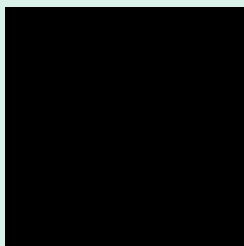
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

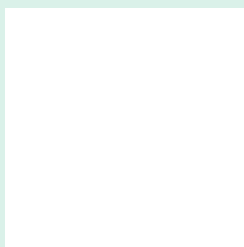
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.0767, 83.6992, 89.2894

Background



This preview shows how black text looks on a background with the XYZ color 75.0767, 83.6992, 89.2894.



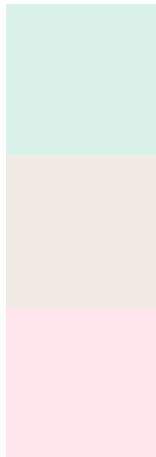
This preview shows how white text looks on a background with the XYZ color 75.0767, 83.6992,

89.2894.

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



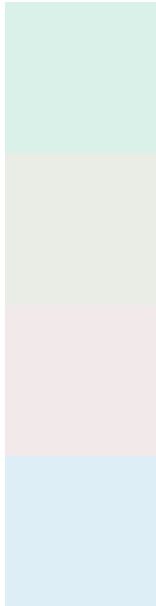
Original Color
75.0767, 83.6992, 89.2894
Protanopia
79.8413, 83.2036, 85.9805
Deuteranopia
84.3996, 83.3548, 90.9976



Tritanopia

78.7656, 83.4763, 106.5689

Trichromacy



Original Color

75.0767, 83.6992, 89.2894

Protanomaly

78.1714, 83.6052, 86.8803

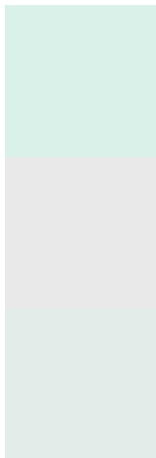
Deuteranomaly

80.7523, 83.1532, 90.3913

Tritanomaly

77.1818, 83.2366, 99.9940

Monochromacy



Original Color

75.0767, 83.6992, 89.2894

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.6983, 82.3681, 88.9470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0767, 83.6992, 89.2894 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(218, 241, 233)` looks like.

```
.text, #text, p{  
    color:rgb(218, 241, 233)  
}
```

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(218, 241, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 241, 233) }
```

Border

The CSS property to change the border of an element to XYZ 75.0767, 83.6992, 89.2894 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(218, 241, 233) }
```


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

```
.border{ border-color:rgb(218, 241, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 241, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 241, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 241, 233);  
box-shadow:4px 4px 4px 4px rgb(218, 241,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0767, 83.6992, 89.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 241, 233) }
```

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

```
.background{ background-color: rgb(218,  
241, 233) }
```

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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