

Converting Colors

XYZ(50.3499, 64.9129, 77.2226)

Have a look what the booklet for
XYZ(50.3499, 64.9129, 77.2226)
contains.

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Color

**XYZ(50.2991, 64.8256,
76.8794)**

Conversions

Conversions Part 1

Format	Color
Hex	89E2DB
RGB	137, 226, 219
RGB Percent	54%, 89%, 86%
CMY	0.4627, 0.1137, 0.1412
CMYK	0.39, 0.00, 0.03, 0.11
HSL	175°, 61%, 71%
HSV	175°, 39%, 89%
XYZ	50.2991, 64.8256, 76.8794
YIQ	198.5910, -50.7970, -21.0450

Conversions

Conversions Part 2

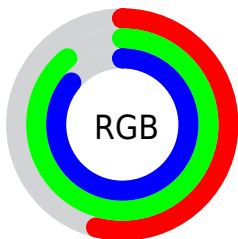
Format	Color
RYB	137, 183, 226
Decimal	9036507
CIELab	84.39, -28.30, -5.00
CIELCh	84, 28.740, 190.019
Yxy	64.8256, 0.2620, 0.3376
Android (android.graphics.Color)	4287226587 (0xFF89E2DB)
YUV	198.5910, 10.0616, -54.0153
Hunter-Lab	80.5143, -29.3872, -0.2532

Details

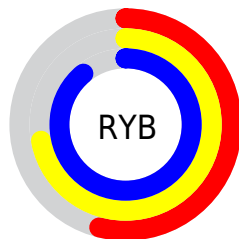
The XYZ color **50.2991, 64.8256, 76.8794** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.3460, 36.0756, 30.9613**, and the grayscale version is **54.0007, 56.8129, 61.8692**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **24.4689, 33.1791, 40.2365** is the 20% darker color. If you saturate the color by 10%, you get **46.7429, 63.0208, 75.4988**, and if you desaturate by 10%, it is **54.6375, 67.0365, 78.3125**.

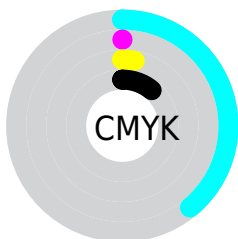
Distribution



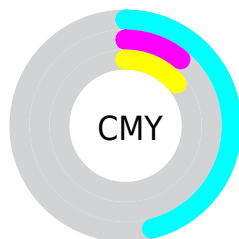
- Red (54%)
- Green (89%)
- Blue (86%)



- Red (54%)
- Yellow (72%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)





- Cyan (46%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2991, 64.8256, 76.8794 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 50.2991, 64.8256, 76.8794 by changing the saturation by 10% instead.


 50.2991, 64.8256,
76.8794


 50.2991, 64.8256,
76.8794


378.2671,
442.1650, 503.7795


 35.8699, 47.3197,
56.6429


 89.8071, 111.7991,
130.7407

 24.5034, 33.2884,
40.3112

 115.6165,
142.0354, 165.2026

 15.8342, 22.3475,
27.4656


 145.9501,
177.2841, 205.2434

 9.4970, 14.1125,
17.6877

181.1731,
217.9293, 251.2816

 5.1264, 8.1989,
10.5589

221.6510,
264.3557, 303.7357

 2.3572, 4.2225,
5.6606

267.7490,

 0.8237, 1.7988,

316.9475, 363.0244

2.5744

319.8326,
376.0891, 429.5662

■ 0.0000, 0.4864,
0.8792

■ 0.0000, 0.0000,
0.0000

■ 50.2991, 64.8256,
76.8794

■ 50.2991, 64.8256,
76.8794

■ 46.7429, 63.0208,
75.4988

■ 54.6375, 67.0365,
78.3125

■ 43.9145, 61.5893,
74.1638


■ 59.7969, 69.6688,
79.7958


■ 41.7612, 60.5056,
72.8734


■ 65.8207, 72.7464,
81.3326


■ 40.2211, 59.7377,
71.6246


■ 72.7472, 76.2891,
82.9249


 39.2209, 59.2478,
70.4139


 80.6125, 80.3154,
84.5743


 38.6411, 58.9744,
69.2359

 82.6742, 81.3496,
85.9653

 38.6100, 58.9600,
69.1635

 82.9248, 81.4499,
87.2849

 83.1779, 81.5511,
88.6179

 83.4336, 81.6534,
89.9645

Harmonies

Analogous

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



50.7825, 64.8256, 59.2391



50.2991, 64.8256, 76.8794



52.6833, 64.8256, 95.6924

Triad

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



50.2991, 64.8256, 76.8794



69.8510, 64.8256, 101.0781



65.9055, 64.8256, 42.4296

Complementary

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



50.2991, 64.8256, 76.8794



45.3460, 36.0756, 30.9613

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.



71.5026, 64.8256, 50.3035



50.2991, 64.8256, 76.8794



73.8873, 64.8256, 83.2923

Square

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



50.2991, 64.8256, 76.8794



63.7754, 64.8256, 111.1757



74.5118, 64.8256, 64.6421



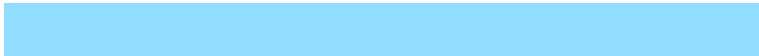
59.5035, 64.8256, 41.3141

Rectangle

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



50.2991, 64.8256, 76.8794



55.6816, 64.8256, 105.6280



74.5118, 64.8256, 64.6421



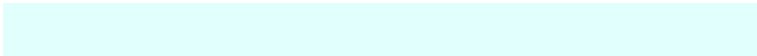
67.9552, 64.8256, 44.2999

Sweetspot

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



50.3010, 64.8282, 76.8809



84.2893, 94.4972, 106.3857



43.2883, 62.1684, 33.3865



17.8131, 20.1096, 22.7137



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.



50.3010, 64.8282, 76.8809



62.3445, 83.3108, 99.6381



42.2257, 47.1709, 78.8338



14.0676, 15.5528, 17.3912



22.0466, 33.6435, 39.5639



1.5422, 2.3376, 2.8162

Inverse Universe

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



45.3460, 36.0756, 30.9613



55.0034, 40.6612, 31.5679



51.0338, 48.2815, 30.2978



13.7508, 13.7179, 14.4578



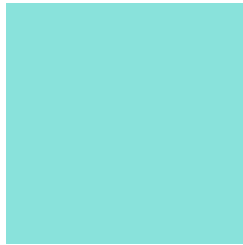
17.9714, 9.2556, 1.2492



1.2611, 0.6477, 0.1680

Previews

White Background



This preview shows how the XYZ color 50.2991, 64.8256, 76.8794 looks on a white background.

Color Contrast Check

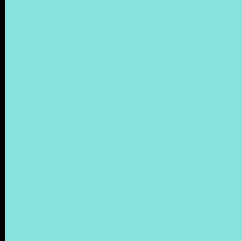
Large Text (above 18pt) WCAG AA × Fail

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 50.2991, 64.8256, 76.8794 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

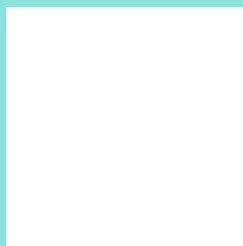
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2991, 64.8256, 76.8794

Background



This preview shows how black text looks on a background with the XYZ color 50.2991, 64.8256, 76.8794.



This preview shows how white text looks on a background with the XYZ color 50.2991, 64.8256,

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

50.2991, 64.8256, 76.8794

Protanopia

61.5051, 63.8613, 69.4064

Deuteranopia

65.2419, 63.7817, 79.3935



Tritanopia

53.5926, 64.9659, 92.9341

Trichromacy



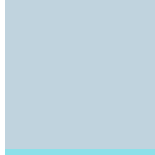
Original Color

50.2991, 64.8256, 76.8794



Protanomaly

56.3183, 63.7193, 72.2815



Deuteranomaly

58.2173, 63.0689, 78.2124



Tritanomaly

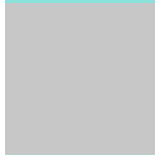
52.3481, 64.8572, 86.8505

Monochromacy



Original Color

50.2991, 64.8256, 76.8794



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.8455, 59.2873, 67.1036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2991, 64.8256, 76.8794 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(137, 226, 219)` looks like.

```
.text, #text, p{  
    color:rgb(137, 226, 219)  
}
```

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(137, 226, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 226, 219) }
```

Border

The CSS property to change the border of an element to XYZ 50.2991, 64.8256, 76.8794 is called "border". The border property can be set on classes, ids or directly on the HTML element.

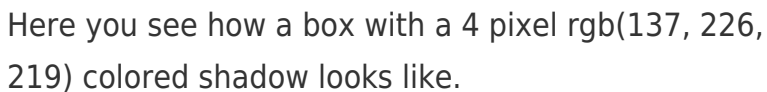
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 226, 219) }
```


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

```
.border{ border-color:rgb(137, 226, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 226, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 226, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 226, 219); box-shadow:4px 4px 4px 4px rgb(137, 226, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2991, 64.8256, 76.8794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 226, 219) }
```

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

```
.background{ background-color: rgb(137,  
226, 219) }
```

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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