

Converting Colors

XYZ(45.5251, 56.5637, 80.6969)

Have a look what the booklet for
XYZ(45.5251, 56.5637, 80.6969)
contains.

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Color

**XYZ(45.4792, 56.4395,
80.4484)**

Conversions

Conversions Part 1

Format	Color
Hex	7DD3E2
RGB	125, 211, 226
RGB Percent	49%, 83%, 89%
CMY	0.5098, 0.1725, 0.1137
CMYK	0.45, 0.07, 0.00, 0.11
HSL	189°, 64%, 69%
HSV	189°, 45%, 89%
XYZ	45.4792, 56.4395, 80.4484
YIQ	186.9960, -56.0710, -13.5670

Conversions

Conversions Part 2

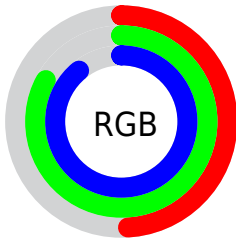
Format	Color
RYB	125, 171, 226
Decimal	8246242
CIELab	79.86, -22.13, -15.53
CIELCh	80, 27.031, 215.055
Yxy	56.4395, 0.2494, 0.3095
Android (android.graphics.Color)	4286436322 (0xFF7DD3E2)
YUV	186.9960, 19.2290, -54.3705
Hunter-Lab	75.1262, -23.4123, -10.9019

Details

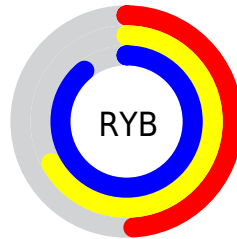
The XYZ color **45.4792, 56.4395, 80.4484** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.4449, 36.4067, 24.0883**, and the grayscale version is **47.1510, 49.6065, 54.0215**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **21.5539, 27.9105, 42.7793** is the 20% darker color. If you saturate the color by 10%, you get **41.7231, 53.2796, 80.0374**, and if you desaturate by 10%, it is **50.0067, 60.0255, 80.9029**.

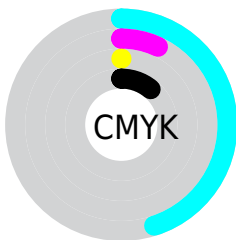
Distribution



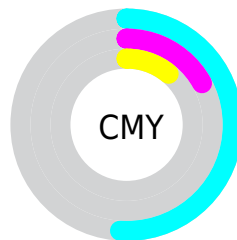
- Red (49%)
- Green (83%)
- Blue (89%)



- Red (49%)
- Yellow (67%)
- Blue (89%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)





- Cyan (51%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4792, 56.4395, 80.4484 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 45.4792, 56.4395, 80.4484 by changing the saturation by 10% instead.

 45.4792, 56.4395,
80.4484


 45.4792, 56.4395,
80.4484


359.4620,
411.3457, 516.1892

 32.0379, 40.5554,
59.5591


 82.6717, 99.6469,
135.8131

 21.5462, 27.9719,
42.6404


 107.1536,
127.7390, 171.1255

 13.6385, 18.3044,
29.2737


 136.0464,
160.6692, 212.0827

 7.9497, 11.1688,
19.0406

169.7156,
198.8219, 259.1032

 4.1143, 6.1805,
11.5225

208.5263,
242.5815, 312.6056

 1.7670, 2.9551,
6.3009

252.8441,

 0.4977, 1.1084,

292.3324, 373.0083

2.9572

303.0342,
348.4590, 440.7301

■ 0.0000, 0.0000,
1.0728

■ 0.0000, 0.0000,
0.0000

■ 45.4792, 56.4395,
80.4484

■ 45.4792, 56.4395,
80.4484

■ 41.7231, 53.2796,
80.0374

■ 50.0067, 60.0255,
80.9029

■ 38.6816, 50.5124,
79.6636

■ 55.3473, 64.0554,
81.3993

■ 36.2982, 48.1101,
79.3255

■ 61.5457, 68.5537,
81.9409

■ 34.5055, 46.0376,
79.0200

■ 68.6419, 73.5411,
82.5295

■ 33.2208, 44.2522,
78.7431

■ 76.6733, 79.0371,
83.1671

■ 32.6742, 43.3841,
78.6044

■ 83.5828, 83.9813,
83.7572

■ 84.5319, 85.8796,
84.0736

■ 85.4992, 87.8141,
84.3960

■ 86.4846, 89.7850,
84.7245

Harmonies

Analogous

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



43.8256, 56.4395, 64.1482



45.4792, 56.4395, 80.4484



49.3253, 56.4395, 93.0458

Triad

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



45.4792, 56.4395, 80.4484



63.7672, 56.4395, 75.0664



52.7217, 56.4395, 36.0463

Complementary

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



45.4792, 56.4395, 80.4484



44.4449, 36.4067, 24.0883

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.



58.2078, 56.4395, 37.9682



45.4792, 56.4395, 80.4484



64.8292, 56.4395, 58.8344

Square

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



45.4792, 56.4395, 80.4484



59.9209, 56.4395, 89.5865



62.7319, 56.4395, 45.7111



47.8216, 56.4395, 39.9282

Rectangle

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



45.4792, 56.4395, 80.4484



52.7417, 56.4395, 96.6521



62.7319, 56.4395, 45.7111



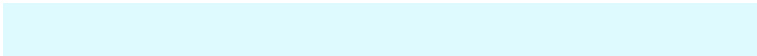
54.5567, 56.4395, 36.0428

Sweetspot

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



45.4809, 56.4417, 80.4497



82.3379, 91.1452, 107.8608



40.2765, 60.6024, 33.7985



17.2057, 19.2109, 23.0512



0.0000, 0.0000, 0.0000



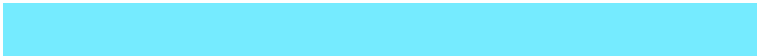
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4809, 56.4417, 80.4497



55.0067, 70.1831, 105.2553



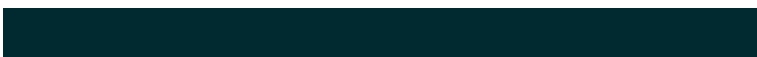
35.1126, 35.7050, 76.9936



13.9341, 15.2073, 17.5886



18.7094, 24.8885, 44.8662



1.3446, 1.8207, 3.1258

Inverse Universe

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



50.4570, 35.5407, 65.8310



62.5670, 40.0249, 82.6861



53.2574, 54.0317, 27.0258



14.2029, 13.8988, 16.8389



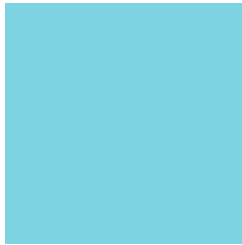
23.3839, 11.4205, 29.7509



1.6450, 0.8013, 2.1892

Previews

White Background



This preview shows how the XYZ color 45.4792, 56.4395, 80.4484 looks on a white background.

Color Contrast Check

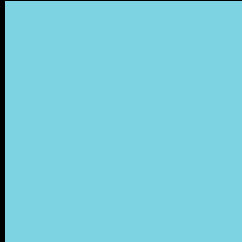
Large Text (above 18pt) WCAG AA × Fail

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 45.4792, 56.4395, 80.4484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

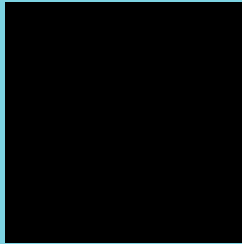
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4792, 56.4395, 80.4484

Background



This preview shows how black text looks on a background with the XYZ color 45.4792, 56.4395, 80.4484.



This preview shows how white text looks on a background with the XYZ color 45.4792, 56.4395,

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

45.4792, 56.4395, 80.4484

Protanopia

54.6403, 56.0398, 72.9027

Deuteranopia

56.9520, 55.6918, 82.6108



Tritanopia

45.9020, 56.6256, 81.9093

Trichromacy



Original Color

45.4792, 56.4395, 80.4484

Protanomaly

50.3825, 55.4866, 75.7647

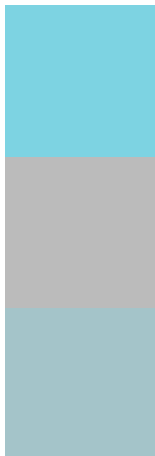
Deuteranomaly

51.7999, 55.3882, 82.0896

Tritanomaly

45.7636, 56.5702, 81.1802

Monochromacy



Original Color

45.4792, 56.4395, 80.4484

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.5924, 51.5894, 62.8131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4792, 56.4395, 80.4484 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(125, 211, 226)` looks like.

```
.text, #text, p{  
    color:rgb(125, 211, 226)  
}
```

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(125, 211, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 211, 226) }
```

Border

The CSS property to change the border of an element to XYZ 45.4792, 56.4395, 80.4484 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(125, 211, 226) }
```


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

```
.border{ border-color:rgb(125, 211, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 211, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 211, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 211, 226);  
box-shadow:4px 4px 4px 4px rgb(125, 211,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4792, 56.4395, 80.4484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 211, 226) }
```

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

```
.background{ background-color: rgb(125,  
211, 226) }
```

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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