

Converting Colors

XYZ(45.9161, 57.9683, 78.4814)

Have a look what the booklet for
XYZ(45.9161, 57.9683, 78.4814)
contains.

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Color

**XYZ(45.8233, 57.7808,
78.5497)**

Conversions

Conversions Part 1

Format	Color
Hex	7DD6DF
RGB	125, 214, 223
RGB Percent	49%, 84%, 87%
CMY	0.5098, 0.1608, 0.1255
CMYK	0.44, 0.04, 0.00, 0.13
HSL	186°, 60%, 68%
HSV	186°, 44%, 87%
XYZ	45.8233, 57.7808, 78.5497
YIQ	188.4150, -55.9330, -16.0690

Conversions

Conversions Part 2

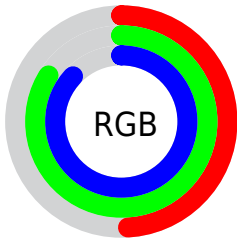
Format	Color
RYB	125, 172, 223
Decimal	8247007
CIELab	80.62, -24.39, -12.79
CIElCh	81, 27.543, 207.676
Yxy	57.7808, 0.2516, 0.3172
Android (android.graphics.Color)	4286437087 (0xFF7DD6DF)
YUV	188.4150, 17.0504, -55.6150
Hunter-Lab	76.0137, -25.4189, -8.0585

Details

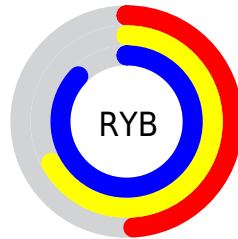
The XYZ color **45.8233, 57.7808, 78.5497** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.6592, 34.2198, 23.7602**, and the grayscale version is **47.9663, 50.4642, 54.9555**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **21.7808, 28.8167, 41.4600** is the 20% darker color. If you saturate the color by 10%, you get **42.4116, 55.2589, 78.2437**, and if you desaturate by 10%, it is **49.9758, 60.6970, 78.8947**.

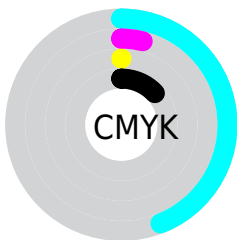
Distribution



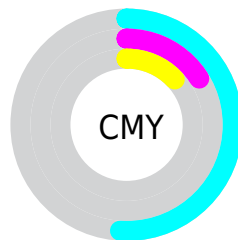
- Red (49%)
- Green (84%)
- Blue (87%)



- Red (49%)
- Yellow (67%)
- Blue (87%)



- Cyan (44%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)



- Cyan (51%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8233, 57.7808, 78.5497 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 45.8233, 57.7808, 78.5497 by changing the saturation by 10% instead.

45.8233, 57.7808,
78.5497

45.8233, 57.7808,
78.5497

360.8257,
416.3687, 509.6090

32.3104, 41.6324,
58.0065

83.1840, 101.6036,
133.1177

21.7554, 28.8136,
41.3992

107.7625,
130.0468, 167.9795

13.7929, 18.9399,
28.3091

136.7603,
163.3571, 208.4513

8.0575, 11.6268,
18.3177

170.5427,
201.9189, 254.9517

4.1839, 6.4901,
11.0065

209.4751,
246.1165, 307.8991

1.8067, 3.1453,
5.9570

253.9228,

0.5217, 1.2081,

296.3345, 367.7121

2.7506

304.2512,
352.9570, 434.8092

■ 0.0000, 0.0683,
0.9687

■ 0.0000, 0.0000,
0.0000

■ 45.8233, 57.7808,
78.5497

■ 45.8233, 57.7808,
78.5497

■ 42.4116, 55.2589,
78.2437

■ 49.9758, 60.6970,
78.8947

■ 39.6860, 53.0989,
77.9705

■ 54.9087, 64.0239,
79.2769

■ 37.5924, 51.2744,
77.7287

■ 60.6652, 67.7850,
79.6995

■ 36.0666, 49.7521,
77.5153

■ 67.2837, 72.0003,
80.1643

■ 35.0302, 48.4917,
77.3266

■ 74.8001, 76.6884,
80.6730

■ 34.5636, 47.8161,
77.2208

■ 81.8344, 81.1377,
81.1611

■ 82.3955, 82.2599,
81.3481

■ 82.9633, 83.3954,
81.5373

■ 83.5377, 84.5443,
81.7288

Harmonies

Analogous

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



44.7350, 57.7808, 61.6565



45.8233, 57.7808, 78.5497



49.2961, 57.7808, 93.1404

Triad

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



45.8233, 57.7808, 78.5497



64.6510, 57.7808, 81.1185



55.3619, 57.7808, 36.6001

Complementary

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



45.8233, 57.7808, 78.5497



42.6592, 34.2198, 23.7602

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.



60.9538, 57.7808, 40.0556



45.8233, 57.7808, 78.5497



66.5417, 57.7808, 64.1874

Square

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



45.8233, 57.7808, 78.5497



60.1371, 57.7808, 94.7938



65.1449, 57.7808, 49.5035



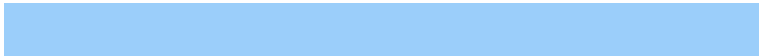
50.0117, 57.7808, 39.1264

Rectangle

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



45.8233, 57.7808, 78.5497



52.6259, 57.7808, 98.5908



65.1449, 57.7808, 49.5035



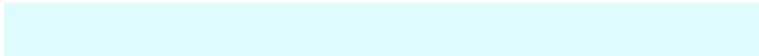
57.2776, 57.7808, 37.0855

Sweetspot

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



45.8250, 57.7830, 78.5511



82.9249, 92.3192, 108.0565



39.0916, 58.8346, 31.5481



17.3521, 19.5038, 23.1000



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.



45.8250, 57.7830, 78.5511



57.7032, 75.0589, 106.0543



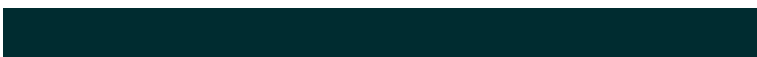
35.3841, 36.9011, 75.0707



14.0034, 15.3458, 17.6117



20.3668, 28.2031, 45.4187



1.4436, 2.0186, 3.1588

Inverse Universe

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



49.9041, 35.2118, 67.7870



64.0544, 41.1033, 89.0281



50.8965, 50.6943, 26.5060



14.2379, 13.9128, 17.0230



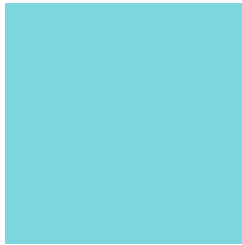
24.2204, 11.7552, 34.1560



1.6949, 0.8212, 2.4522

Previews

White Background



This preview shows how the XYZ color 45.8233, 57.7808, 78.5497 looks on a white background.

Color Contrast Check

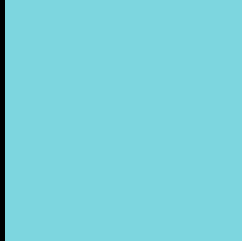
Large Text (above 18pt) WCAG AA × Fail

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 45.8233, 57.7808, 78.5497 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 45.8233, 57.7808, 78.5497

Background



This preview shows how black text looks on a background with the XYZ color 45.8233, 57.7808, 78.5497.

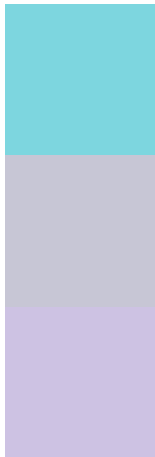


This preview shows how white text looks on a background with the XYZ color 45.8233, 57.7808,

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

45.8233, 57.7808, 78.5497

Protanopia

55.7575, 57.3344, 71.0787

Deuteranopia

58.3338, 57.1088, 80.6216



Tritanopia

46.8296, 57.8137, 83.5539

Trichromacy



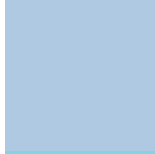
Original Color

45.8233, 57.7808, 78.5497



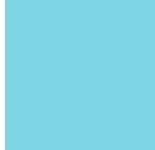
Protanomaly

51.1305, 56.9661, 73.9463



Deuteranomaly

52.5186, 56.4944, 80.0880



Tritanomaly

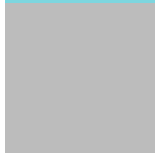
46.2636, 57.5702, 81.3469

Monochromacy



Original Color

45.8233, 57.7808, 78.5497



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

46.0259, 52.1489, 62.8983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8233, 57.7808, 78.5497 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, 214, 223)` looks like.

```
.text, #text, p{  
    color:rgb(125, 214, 223)  
}
```

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, 214, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 214, 223) }
```

Border

The CSS property to change the border of an element to XYZ 45.8233, 57.7808, 78.5497 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, 214, 223) }
```


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

```
.border{ border-color:rgb(125, 214, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 214, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 214, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 214, 223); box-shadow:4px 4px 4px 4px rgb(125, 214, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8233, 57.7808, 78.5497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 214, 223) }
```

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

```
.background{ background-color: rgb(125,  
214, 223) }
```

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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