

Converting Colors

XYZ(45.7388, 57.1404, 76.4294)

Have a look what the booklet for
XYZ(45.7388, 57.1404, 76.4294)
contains.

XYZ(45.6677, 57.0001, 76.3053)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.6677, 57.0001,
76.3053)**

Conversions

Conversions Part 1

Format	Color
Hex	82D4DC
RGB	130, 212, 220
RGB Percent	51%, 83%, 86%
CMY	0.4902, 0.1686, 0.1372
CMYK	0.41, 0.04, 0.00, 0.14
HSL	185°, 56%, 69%
HSV	185°, 41%, 86%
XYZ	45.6677, 57.0001, 76.3053
YIQ	188.3940, -51.4400, -14.8960

Conversions

Conversions Part 2

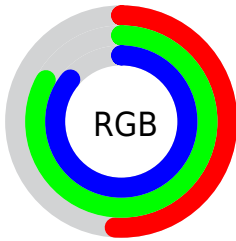
Format	Color
RYB	130, 173, 220
Decimal	8574172
CIELab	80.18, -22.95, -11.82
CIELCh	80, 25.817, 207.251
Yxy	57.0001, 0.2552, 0.3185
Android (android.graphics.Color)	4286764252 (0xFF82D4DC)
YUV	188.3940, 15.5818, -51.2115
Hunter-Lab	75.4984, -24.1506, -7.0748

Details

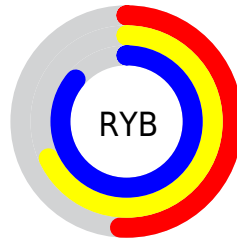
The XYZ color **45.6677, 57.0001, 76.3053** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.6339, 35.0052, 25.6302**, and the grayscale version is **47.9605, 50.4582, 54.9490**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **21.5962, 28.2470, 39.9113** is the 20% darker color. If you saturate the color by 10%, you get **42.1619, 54.4729, 76.0033**, and if you desaturate by 10%, it is **49.9043, 59.9154, 76.6457**.

Distribution



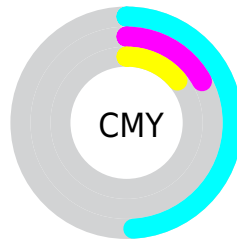
- Red (51%)
- Green (83%)
- Blue (86%)



- Red (51%)
- Yellow (68%)
- Blue (86%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)
- Black (14%)



- Cyan (49%)
- Magenta (17%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6677, 57.0001, 76.3053 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 45.6677, 57.0001, 76.3053 by changing the saturation by 10% instead.

■ 45.6677, 57.0001,
76.3053

■ 45.6677, 57.0001,
76.3053

360.2094,
413.4497, 501.7668

■ 32.1872, 41.0053,
56.1747

■ 82.9524, 100.4653,
129.9224

■ 21.6608, 28.3232,
39.9381

■ 107.4873,
128.7046, 164.2460

■ 13.7230, 18.5695,
27.1769

■ 136.4376,
161.7941, 204.1378

■ 8.0087, 11.3596,
17.4725

170.1689,
200.1183, 250.0161

■ 4.1524, 6.3093,
10.4064

209.0463,
244.0616, 302.2997

■ 1.7887, 3.0340,
5.5601

253.4353,

■ 0.5108, 1.1495,

294.0083, 361.4069

2.5151

303.7012,
350.3429, 427.7565

■ 0.0000, 0.0199,
0.8481

■ 0.0000, 0.0000,
0.0000

■ 45.6677, 57.0001,
76.3053

■ 45.6677, 57.0001,
76.3053

■ 42.1619, 54.4729,
76.0033

■ 49.9043, 59.9154,
76.6457

■ 39.3352, 52.3033,
75.7335


■ 54.9088, 63.2341,
77.0225


■ 37.1377, 50.4668,
75.4948


■ 60.7220, 66.9786,
77.4389


■ 35.5099, 48.9326,
75.2845


■ 67.3803, 71.1676,
77.8965


 34.3811, 47.6644,
75.0992


 74.9179, 75.8188,
78.3970

 33.6772, 46.6850,
74.9472

 80.7427, 79.5959,
78.8191

 81.2704, 80.6512,
78.9949

 81.8041, 81.7187,
79.1729

 82.3439, 82.7983,
79.3528

Harmonies

Analogous

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



44.6828, 57.0001, 60.6837



45.6677, 57.0001, 76.3053



48.8839, 57.0001, 89.7750

Triad

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



45.6677, 57.0001, 76.3053



63.1433, 57.0001, 79.1021



54.6637, 57.0001, 37.3785

Complementary

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



45.6677, 57.0001, 76.3053



42.6339, 35.0052, 25.6302

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.



59.8387, 57.0001, 40.7365



45.6677, 57.0001, 76.3053



64.9287, 57.0001, 63.4639

Square

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



45.6677, 57.0001, 76.3053



58.9449, 57.0001, 91.5648



63.6824, 57.0001, 49.7140



49.6732, 57.0001, 39.6956

Rectangle

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



45.6677, 57.0001, 76.3053



51.9739, 57.0001, 94.8468



63.6824, 57.0001, 49.7140



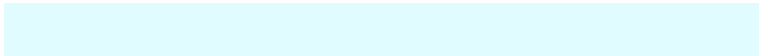
56.4413, 57.0001, 37.8665

Sweetspot

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



45.6694, 57.0023, 76.3066



83.8132, 92.9285, 108.1273



39.3517, 57.7539, 32.9305



17.7002, 19.7376, 23.1268



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.



45.6694, 57.0023, 76.3066



59.5830, 76.6086, 106.2543



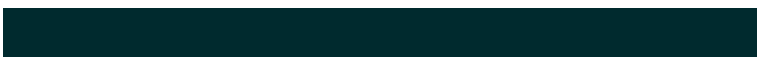
36.0361, 37.7357, 73.0955



13.3408, 14.6213, 16.7712



19.8068, 27.4831, 43.9992



1.3128, 1.8397, 2.8604

Inverse Universe

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



49.3829, 35.9359, 66.6233



65.5426, 43.7639, 90.4981



50.3762, 50.4898, 28.2110



13.5619, 13.2538, 16.2201



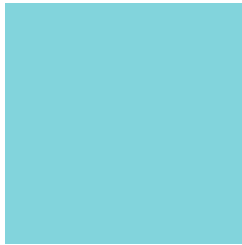
23.4929, 11.3982, 33.3053



1.5369, 0.7444, 2.2364

Previews

White Background



This preview shows how the XYZ color 45.6677, 57.0001, 76.3053 looks on a white background.

Color Contrast Check

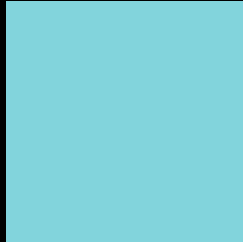
Large Text (above 18pt) WCAG AA × Fail

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 45.6677, 57.0001, 76.3053 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 45.6677, 57.0001, 76.3053

Background



This preview shows how black text looks on a background with the XYZ color 45.6677, 57.0001, 76.3053.

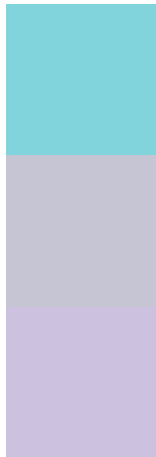


This preview shows how white text looks on a background with the XYZ color 45.6677, 57.0001,

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

45.6677, 57.0001, 76.3053

Protanopia

55.0128, 56.6414, 69.6614

Deuteranopia

57.7013, 56.5009, 78.3856



Tritanopia

46.8136, 57.0955, 81.9520

Trichromacy



Original Color

45.6677, 57.0001, 76.3053

Protanomaly

50.4917, 55.9803, 71.7624

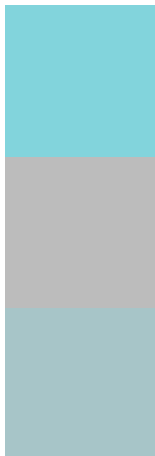
Deuteranomaly

52.3337, 56.1012, 77.8824

Tritanomaly

46.2449, 56.8501, 79.7700

Monochromacy



Original Color

45.6677, 57.0001, 76.3053

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.3279, 52.3181, 62.3002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6677, 57.0001, 76.3053 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(130, 212, 220)` looks like.

```
.text, #text, p{  
    color:rgb(130, 212, 220)  
}
```

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(130, 212, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 212, 220) }
```

Border

The CSS property to change the border of an element to XYZ 45.6677, 57.0001, 76.3053 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(130, 212, 220) }
```


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

```
.border{ border-color:rgb(130, 212, 220) }
```

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

Here you see how a box with a 4 pixel rgb(130, 212, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 212, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 212, 220);  
box-shadow:4px 4px 4px 4px rgb(130, 212,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6677, 57.0001, 76.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 212, 220) }
```

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

```
.background{ background-color: rgb(130,  
212, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor