

Converting Colors

XYZ(42.8060, 57.1404, 87.7971)

Have a look what the booklet for
XYZ(42.8060, 57.1404, 87.7971)
contains.

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Color

**XYZ(42.8548, 57.1777,
88.1346)**

Conversions

Conversions Part 1

Format	Color
Hex	4BD9EC
RGB	75, 217, 236
RGB Percent	29%, 85%, 93%
CMY	0.7058, 0.1490, 0.0745
CMYK	0.68, 0.08, 0.00, 0.07
HSL	187°, 81%, 61%
HSV	187°, 68%, 93%
XYZ	42.8548, 57.1777, 88.1346
YIQ	176.7080, -90.7310, -24.1950

Conversions

Conversions Part 2

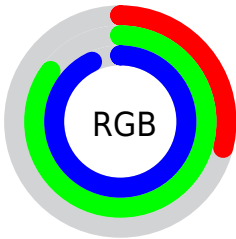
Format	Color
RYB	75, 150, 236
Decimal	4970988
CIELab	80.28, -31.59, -20.39
CIELCh	80, 37.603, 212.841
Yxy	57.1777, 0.2277, 0.3039
Android (android.graphics.Color)	4283161068 (0xFF4BD9EC)
YUV	176.7080, 29.2310, -89.1979
Hunter-Lab	75.6159, -31.1643, -16.1747

Details

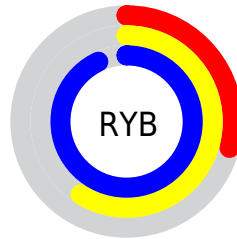
The XYZ color **42.8548, 57.1777, 88.1346** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **39.8662, 26.3480, 9.6428**, and the grayscale version is **41.5247, 43.6872, 47.5754**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **21.1585, 29.1359, 47.6886** is the 20% darker color. If you saturate the color by 10%, you get **40.6283, 54.9744, 87.8277**, and if you desaturate by 10%, it is **45.7812, 59.7622, 88.4803**.

Distribution



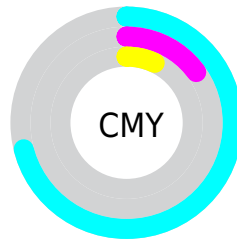
- Red (29%)
- Green (85%)
- Blue (93%)



- Red (29%)
- Yellow (59%)
- Blue (93%)



- Cyan (68%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (71%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8548, 57.1777, 88.1346 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 42.8548, 57.1777, 88.1346 by changing the saturation by 10% instead.

42.8548, 57.1777,
88.1346

42.8548, 57.1777,
88.1346

348.9459,
414.1148, 542.3566

29.9652, 41.1479,
65.8696

78.7488, 100.7244,
146.6573

19.9601, 28.4347,
47.7107

102.4839,
129.0102, 183.7521

12.4742, 18.6536,
33.2395

130.5649,
162.1500, 226.6272

7.1420, 11.4202,
22.0374

163.3572,
200.5284, 275.7012

3.5982, 6.3502,
13.6858

201.2261,
244.5297, 331.3926

1.4774, 3.0592,
7.7662

244.5369,

0.3104, 1.1627,

294.5382, 394.1199

3.8601

293.6551,
350.9385, 464.3018

■ 0.0000, 0.0309,
1.5489

■ 0.0000, 0.0000,
0.2540

■ 42.8548, 57.1777,
88.1346

■ 42.8548, 57.1777,
88.1346

■ 40.6283, 54.9744,
87.8277

■ 45.7812, 59.7622,
88.4803

■ 39.0163, 53.1045,
87.5518


■ 49.4701, 62.7567,
88.8639


■ 37.9075, 51.5119,
87.3028


■ 53.9830, 66.1941,
89.2895


■ 37.7334, 51.2419,
87.2599


■ 59.3736, 70.1022,
89.7597

 65.6912, 74.5066,
90.2769

 72.9813, 79.4307,
90.8431

 81.2862, 84.8965,
91.4604

 87.3300, 89.2151,
91.9754

 88.1529, 90.8610,
92.2497

Harmonies

Analogous

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



40.8861, 57.1777, 64.3771



42.8548, 57.1777, 88.1346



47.8775, 57.1777, 107.9966

Triad

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



42.8548, 57.1777, 88.1346



68.5777, 57.1777, 83.6348



53.6169, 57.1777, 28.8400

Complementary

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



42.8548, 57.1777, 88.1346



39.8662, 26.3480, 9.6428

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.



61.3717, 57.1777, 31.6908



42.8548, 57.1777, 88.1346



70.4758, 57.1777, 60.1835

Square

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



42.8548, 57.1777, 88.1346



62.7571, 57.1777, 104.9977



67.7264, 57.1777, 42.0161



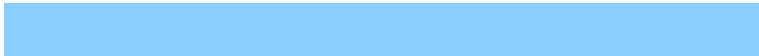
46.7216, 57.1777, 33.0464

Rectangle

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



42.8548, 57.1777, 88.1346



52.5253, 57.1777, 114.3768



67.7264, 57.1777, 42.0161



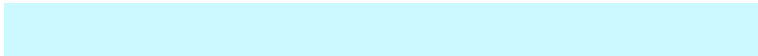
56.2077, 57.1777, 29.0067

Sweetspot

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



42.8566, 57.1798, 88.1360



76.8218, 87.7974, 107.5054



34.9093, 62.2924, 20.7245



15.9763, 18.4688, 22.9727



0.0000, 0.0000, 0.0000



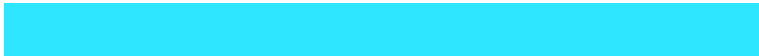
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8566, 57.1798, 88.1360



47.5595, 64.5731, 104.5649



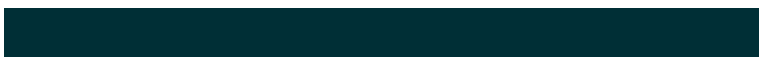
26.9492, 25.3651, 82.8335



15.3571, 16.8007, 19.3557



20.8619, 28.3707, 48.1195



1.6811, 2.3137, 3.7929

Inverse Universe

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



49.6341, 27.8765, 68.4125



56.5417, 28.9376, 77.7077



51.0546, 48.7247, 13.3722



15.6338, 15.2814, 18.6229



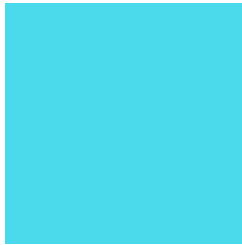
25.3854, 12.3569, 34.1605



2.0150, 0.9790, 2.7965

Previews

White Background



This preview shows how the XYZ color 42.8548, 57.1777, 88.1346 looks on a white background.

Color Contrast Check

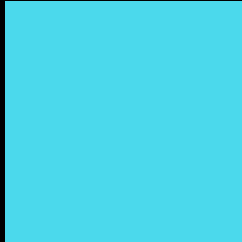
Large Text (above 18pt) WCAG AA × Fail

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 42.8548, 57.1777, 88.1346 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 42.8548, 57.1777, 88.1346

Background



This preview shows how black text looks on a background with the XYZ color 42.8548, 57.1777, 88.1346.

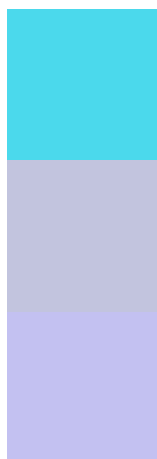


This preview shows how white text looks on a background with the XYZ color 42.8548, 57.1777,

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

42.8548, 57.1777, 88.1346

Protanopia

55.1729, 56.2231, 77.0515

Deuteranopia

57.4528, 56.0929, 91.0180



Tritanopia

42.6323, 57.0797, 87.3678

Trichromacy



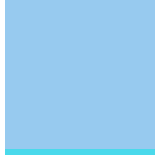
Original Color

42.8548, 57.1777, 88.1346



Protanomaly

48.2205, 55.3111, 80.8077



Deuteranomaly

49.4630, 55.0524, 89.6805



Tritanomaly

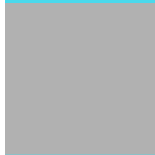
42.6323, 57.0797, 87.3678

Monochromacy



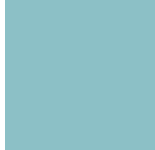
Original Color

42.8548, 57.1777, 88.1346



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.8579, 47.3519, 60.4652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8548, 57.1777, 88.1346 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(75, 217, 236)` looks like.

```
.text, #text, p{  
    color:rgb(75, 217, 236)  
}
```

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(75, 217, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 217, 236) }
```

Border

The CSS property to change the border of an element to XYZ 42.8548, 57.1777, 88.1346 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(75, 217, 236) }
```


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

```
.border{ border-color:rgb(75, 217, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 217, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 217, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 217, 236);  
box-shadow:4px 4px 4px 4px rgb(75, 217,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8548, 57.1777, 88.1346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 217, 236) }
```

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

```
.background{ background-color: rgb(75, 217,  
236) }
```

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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