

Converting Colors

XYZ(42.7355, 58.7055, 88.1629)

Have a look what the booklet for
XYZ(42.7355, 58.7055, 88.1629)
contains.

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Color

**XYZ(42.7417, 58.6686,
88.4283)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 3ADDEC |
| RGB | 58, 221, 236 |
| RGB Percent | 23%, 87%, 93% |
| CMY | 0.7725, 0.1333, 0.0745 |
| CMYK | 0.75, 0.06, 0.00, 0.07 |
| HSL | 185°, 82%, 58% |
| HSV | 185°, 75%, 93% |
| XYZ | 42.7417, 58.6686, 88.4283 |
| YIQ | 173.9730, -101.9630, -29.8910 |

Conversions

Conversions Part 2

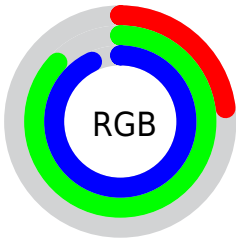
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 58, 143, 236 |
| Decimal | 3857900 |
| CIELab | 81.11, -35.51, -19.17 |
| CIELCh | 81, 40.351, 208.363 |
| Yxy | 58.6686, 0.2251, 0.3090 |
| Android (android.graphics.Color) | 4282047980 (0xFF3ADDEC) |
| YUV | 173.9730, 30.5793, -101.7083 |
| Hunter-Lab | 76.5954, -34.4356, -14.8326 |

Details

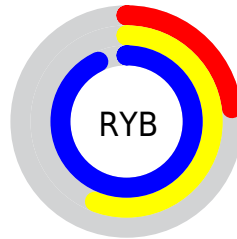
The XYZ color **42.7417, 58.6686, 88.4283** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **37.7399, 22.9053, 6.4368**, and the grayscale version is **40.1064, 42.1951, 45.9505**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **21.6934, 30.2056, 47.8669** is the 20% darker color. If you saturate the color by 10%, you get **41.1492, 57.0740, 88.2055**, and if you desaturate by 10%, it is **44.9722, 60.6038, 88.6854**.

Distribution



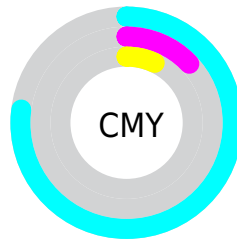
- Red (23%)
- Green (87%)
- Blue (93%)



- Red (23%)
- Yellow (56%)
- Blue (93%)



- Cyan (75%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)



- Cyan (77%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7417, 58.6686, 88.4283 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 42.7417, 58.6686, 88.4283 by changing the saturation by 10% instead.

42.7417, 58.6686,
88.4283

42.7417, 58.6686,
88.4283

348.4880,
419.6727, 543.3424

29.8761, 42.3464,
66.1115

78.5791, 102.8959,
147.0697

19.8922, 29.3726,
47.9059

102.2816,
131.5697, 184.2313

12.4245, 19.3629,
33.3929

130.3272,
165.1296, 227.1783

7.1077, 11.9328,
22.1540

163.0811,
203.9598, 276.3292

3.5765, 6.6979,
13.7707

200.9088,
248.4448, 332.1025

1.4655, 3.2739,
7.8244

244.1756,

0.3021, 1.2764,

298.9691, 394.9168

3.8967

293.2469,
355.9169, 465.1906

■ 0.0000, 0.1228,
1.5688

■ 0.0000, 0.0000,
0.2684

■ 42.7417, 58.6686,
88.4283

■ 42.7417, 58.6686,
88.4283

■ 41.1492, 57.0740,
88.2055

■ 44.9722, 60.6038,
88.6854


■ 40.0956, 55.7652,
88.0084


■ 47.9113, 62.9123,
88.9761


■ 39.7258, 55.2268,
87.9240


■ 51.6262, 65.6301,
89.3048


■ 56.1747, 68.7870,
89.6744

 61.6092, 72.4099,
90.0873

 67.9776, 76.5237,
90.5457

 75.3246, 81.1514,
91.0517

 83.6918, 86.3144,
91.6073

 87.2181, 88.9914,
91.9381

Harmonies

Analogous

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



41.1461, 58.6686, 62.5695



42.7417, 58.6686, 88.4283



47.7242, 58.6686, 111.8218

Triad

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



42.7417, 58.6686, 88.4283



70.6504, 58.6686, 91.2980



56.2248, 58.6686, 27.9421

Complementary

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



42.7417, 58.6686, 88.4283



37.7399, 22.9053, 6.4368

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.



64.6568, 58.6686, 32.0749



42.7417, 58.6686, 88.4283



73.4860, 58.6686, 65.2090

Square

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



42.7417, 58.6686, 88.4283



63.7799, 58.6686, 113.7496



71.1914, 58.6686, 44.3558



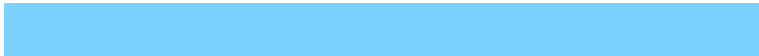
48.4473, 58.6686, 31.2484

Rectangle

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



42.7417, 58.6686, 88.4283



52.5726, 58.6686, 120.6342



71.1914, 58.6686, 44.3558



59.0794, 58.6686, 28.4817

Sweetspot

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



42.7435, 58.6708, 88.4297



75.1097, 87.4099, 107.5208



32.9390, 61.3707, 16.3862



15.5266, 18.3493, 22.9734



0.0000, 0.0000, 0.0000



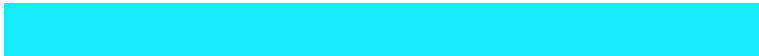
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7435, 58.6708, 88.4297



48.2385, 67.0741, 105.0119



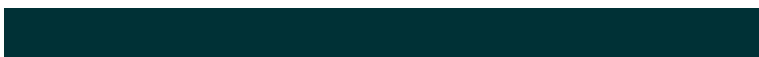
25.1613, 23.5062, 82.5690



15.4028, 16.8921, 19.3709



21.9444, 30.5358, 48.4804



1.7552, 2.4619, 3.8176

Inverse Universe

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



49.1578, 26.0812, 70.8521



56.6054, 27.8948, 81.3365



48.2487, 43.9230, 9.9398



15.6569, 15.2906, 18.7444



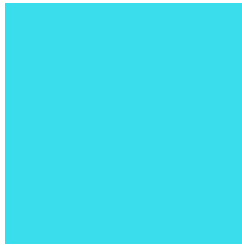
25.9318, 12.5754, 37.0378



2.0525, 0.9939, 2.9936

Previews

White Background



This preview shows how the XYZ color 42.7417, 58.6686, 88.4283 looks on a white background.

Color Contrast Check

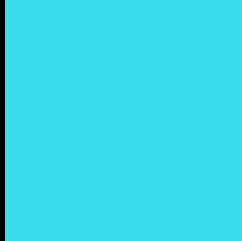
Large Text (above 18pt) WCAG AA × Fail

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 42.7417, 58.6686, 88.4283 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 42.7417, 58.6686, 88.4283

Background



This preview shows how black text looks on a background with the XYZ color 42.7417, 58.6686, 88.4283.

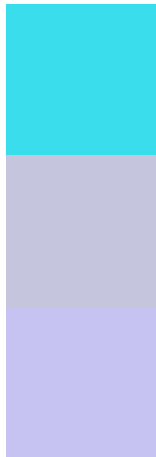


This preview shows how white text looks on a background with the XYZ color 42.7417, 58.6686,

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

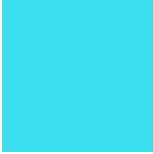
42.7417, 58.6686, 88.4283

Protanopia

56.2712, 57.4789, 76.5353

Deuteranopia

58.8308, 57.4468, 91.9920



Tritanopia

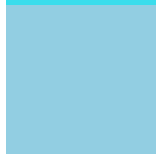
43.2999, 58.9056, 90.7491

Trichromacy



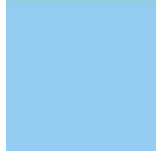
Original Color

42.7417, 58.6686, 88.4283



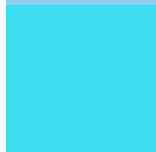
Protanomaly

47.6528, 55.7446, 80.1997



Deuteranomaly

49.3537, 55.6800, 90.5842



Tritanomaly

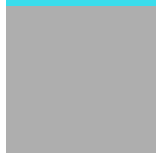
43.0927, 58.8158, 89.9703

Monochromacy



Original Color

42.7417, 58.6686, 88.4283



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.2246, 46.1984, 59.7258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7417, 58.6686, 88.4283 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(58, 221, 236)` looks like.

```
.text, #text, p{  
    color:rgb(58, 221, 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(58, 221, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 221, 236) }
```

Border

The CSS property to change the border of an element to XYZ 42.7417, 58.6686, 88.4283 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(58, 221, 236) }
```


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

```
.border{ border-color:rgb(58, 221, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 221, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 221, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 221, 236);  
box-shadow:4px 4px 4px 4px rgb(58, 221,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7417, 58.6686, 88.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 221, 236) }
```

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

```
.background{ background-color: rgb(58, 221,  
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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