

Converting Colors

XYZ(35.7583, 42.0299, 58.1674)

Have a look what the booklet for
XYZ(35.7583, 42.0299, 58.1674)
contains.

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Color

**XYZ(35.8977, 42.1872,
58.4755)**

Conversions

Conversions Part 1

Format	Color
Hex	82B6C4
RGB	130, 182, 196
RGB Percent	51%, 71%, 77%
CMY	0.4902, 0.2863, 0.2314
CMYK	0.34, 0.07, 0.00, 0.23
HSL	193°, 36%, 64%
HSV	193°, 34%, 77%
XYZ	35.8977, 42.1872, 58.4755
YIQ	168.0480, -35.4860, -6.6700

Conversions

Conversions Part 2

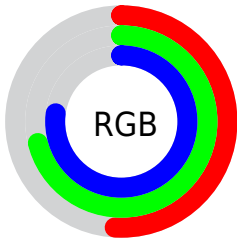
Format	Color
RYB	130, 159, 196
Decimal	8566468
CIELab	71.00, -13.58, -12.57
CIElCh	71, 18.502, 222.787
Yxy	42.1872, 0.2629, 0.3089
Android (android.graphics.Color)	4286756548 (0xFF82B6C4)
YUV	168.0480, 13.7803, -33.3681
Hunter-Lab	64.9517, -15.0115, -7.9122

Details

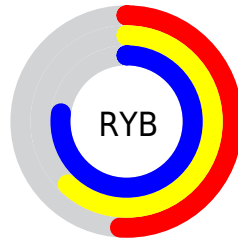
The XYZ color **35.8977, 42.1872, 58.4755** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7682, 33.2947, 25.6089**, and the grayscale version is **37.1910, 39.1278, 42.6102**.

A 20% lighter version of the original color is **68.3117, 78.5552, 104.4908**, and **15.7933, 19.2313, 28.4708** is the 20% darker color. If you saturate the color by 10%, you get **32.3344, 39.1060, 58.0693**, and if you desaturate by 10%, it is **40.0615, 45.6175, 58.9189**.

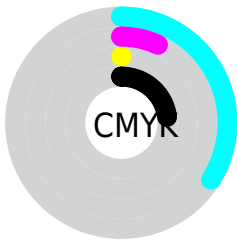
Distribution



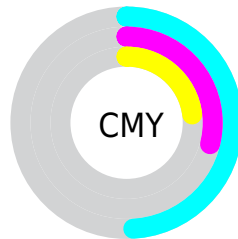
- Red (51%)
- Green (71%)
- Blue (77%)



- Red (51%)
- Yellow (62%)
- Blue (77%)



- Cyan (34%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)



- Cyan (49%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8977, 42.1872, 58.4755 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 35.8977, 42.1872, 58.4755 by changing the saturation by 10% instead.

■ 35.8977, 42.1872,
58.4755

■ 35.8977, 42.1872,
58.4755

■ 319.9522,
355.2584, 436.6031

■ 24.5249, 29.2479,
41.7738

■ 68.1990, 78.4829,
104.1366

■ 15.8503, 19.2684,
28.6000

■ 89.8583, 102.6080,
133.9331

■ 9.5085, 11.8644,
18.5354

■ 115.6772,
131.2306, 168.9315

■ 5.1340, 6.6514,
11.1617

■ 146.0210,
164.7350, 209.5506

■ 2.3617, 3.2451,
6.0602

■ 181.2550,
203.5055, 256.2087

■ 0.8260, 1.2610,
2.8123

■ 221.7446,

■ 0.0000, 0.1107,

247.9267, 309.3245

0.9996

267.8553,
298.3828, 369.3164

■ 0.0000, 0.0000,
0.0000

■ 35.8977, 42.1872,
58.4755

■ 35.8977, 42.1872,
58.4755

■ 32.3344, 39.1060,
58.0693

■ 40.0615, 45.6175,
58.9189

■ 29.3350, 36.3518,
57.6958

■ 44.8521, 49.4077,
59.3980

■ 26.8645, 33.9070,
57.3541

■ 50.2991, 53.5745,
59.9152

■ 24.8826, 31.7507,
57.0423

■ 56.4289, 58.1317,
60.4717

■ 23.3426, 29.8585,
56.7583

■ 63.2662, 63.0925,
61.0689

■ 22.1884, 28.2010,
56.4992

■ 70.8349, 68.4693,
61.7078

■ 21.5906, 27.2389,
56.3450

■ 74.5239, 71.8854,
62.1727

■ 75.5708, 73.9792,
62.5217

■ 76.6445, 76.1268,
62.8796

Harmonies

Analogous

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



34.5837, 42.1872, 49.8004



35.8977, 42.1872, 58.4755



38.3668, 42.1872, 64.1597

Triad

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



35.8977, 42.1872, 58.4755



46.0385, 42.1872, 51.1507



38.7983, 42.1872, 31.2722

Complementary

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



35.8977, 42.1872, 58.4755



36.7682, 33.2947, 25.6089

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.



41.8798, 42.1872, 31.5359



35.8977, 42.1872, 58.4755



46.1687, 42.1872, 42.2744

Square

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



35.8977, 42.1872, 58.4755



44.2659, 42.1872, 59.5727



44.6131, 42.1872, 35.3288



36.1996, 42.1872, 34.5552

Rectangle

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



35.8977, 42.1872, 58.4755



40.3869, 42.1872, 65.0903



44.6131, 42.1872, 35.3288



39.8098, 42.1872, 30.9626

Sweetspot

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



35.8990, 42.1889, 58.4765



84.5817, 92.0780, 107.9226



33.9200, 46.2158, 33.2000



17.8107, 19.4825, 23.0717



0.0000, 0.0000, 0.0000



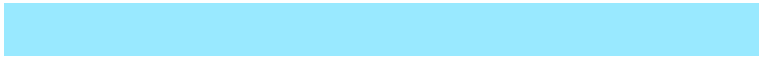
20.3446, 21.4041, 23.3091

Same Dimension

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



35.8990, 42.1889, 58.4765



60.4295, 72.4776, 105.4123



30.0453, 30.4814, 56.5252



10.1814, 11.0540, 12.8819



13.9370, 17.6304, 36.2251



0.6487, 0.8547, 1.5807

Inverse Universe

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



39.1922, 31.0796, 48.1910



67.3916, 49.9466, 83.4539



42.3597, 44.4776, 27.4727



10.4028, 10.2097, 12.2119



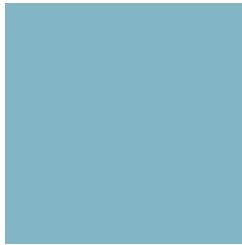
18.4307, 9.0620, 20.7120



0.8198, 0.4009, 1.0184

Previews

White Background



This preview shows how the XYZ color 35.8977, 42.1872, 58.4755 looks on a white background.

Color Contrast Check

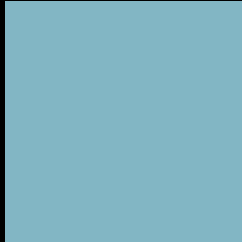
Large Text (above 18pt) WCAG AA × Fail

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 35.8977, 42.1872, 58.4755 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

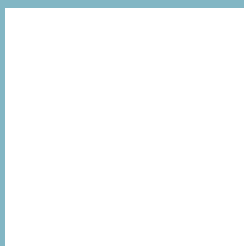
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8977, 42.1872, 58.4755

Background



This preview shows how black text looks on a background with the XYZ color 35.8977, 42.1872, 58.4755.



This preview shows how white text looks on a background with the XYZ color 35.8977, 42.1872,

58.4755.

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

35.8977, 42.1872, 58.4755

Protanopia

40.8414, 41.8807, 54.6464

Deuteranopia

42.8569, 41.9644, 59.8740



Tritanopia

36.0119, 42.2329, 59.0771

Trichromacy



Original Color

35.8977, 42.1872, 58.4755

Protanomaly

38.7501, 41.9244, 55.9190

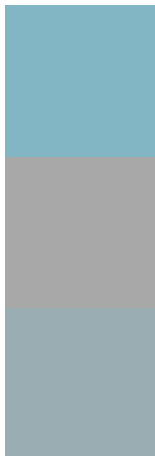
Deuteranomaly

40.0270, 41.9264, 59.4090

Tritanomaly

36.0119, 42.2329, 59.0771

Monochromacy



Original Color

35.8977, 42.1872, 58.4755

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.3059, 39.9715, 47.9212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8977, 42.1872, 58.4755 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, 182, 196)` looks like.

```
.text, #text, p{  
    color:rgb(130, 182, 196)  
}
```

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, 182, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 182, 196) }
```

Border

The CSS property to change the border of an element to XYZ 35.8977, 42.1872, 58.4755 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, 182, 196) }
```


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

```
.border{ border-color:rgb(130, 182, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 182, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 182, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 182, 196);  
box-shadow:4px 4px 4px 4px rgb(130, 182,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8977, 42.1872, 58.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 182, 196) }
```

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

```
.background{ background-color: rgb(130,  
182, 196) }
```

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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