

Converting Colors

XYZ(35.7868, 46.6271, 58.1661)

Have a look what the booklet for
XYZ(35.7868, 46.6271, 58.1661)
contains.

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Color

**XYZ(35.7842, 46.6261,
58.1526)**

Conversions

Conversions Part 1

Format	Color
Hex	6DC4C2
RGB	109, 196, 194
RGB Percent	43%, 77%, 76%
CMY	0.5725, 0.2314, 0.2392
CMYK	0.44, 0.00, 0.01, 0.23
HSL	179°, 42%, 60%
HSV	179°, 44%, 77%
XYZ	35.7842, 46.6261, 58.1526
YIQ	169.7590, -51.2100, -19.0660

Conversions

Conversions Part 2

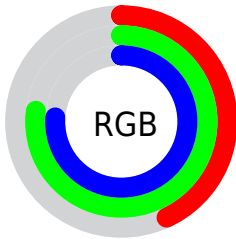
Format	Color
RYB	109, 153, 196
Decimal	7193794
CIELab	73.95, -26.68, -7.18
CIELCh	74, 27.626, 195.068
Yxy	46.6261, 0.2546, 0.3317
Android (android.graphics.Color)	4285383874 (0xFF6DC4C2)
YUV	169.7590, 11.9508, -53.2856
Hunter-Lab	68.2833, -25.9520, -2.6953

Details

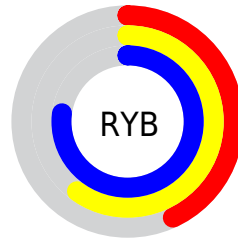
The XYZ color **35.7842, 46.6261, 58.1526** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.1044, 23.8221, 17.9994**, and the grayscale version is **38.0504, 40.0319, 43.5948**.

A 20% lighter version of the original color is **67.8976, 85.1520, 103.2999**, and **15.7719, 21.9433, 28.2152** is the 20% darker color. If you saturate the color by 10%, you get **33.5865, 45.5001, 57.7867**, and if you desaturate by 10%, it is **38.5224, 48.0330, 58.5466**.

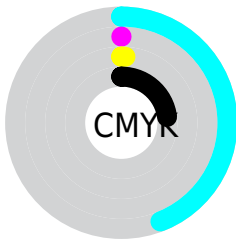
Distribution



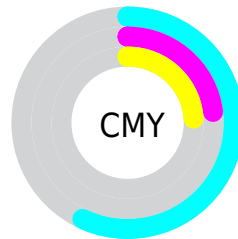
- Red (43%)
- Green (77%)
- Blue (76%)



- Red (43%)
- Yellow (60%)
- Blue (77%)



- Cyan (44%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)



- Cyan (57%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7842, 46.6261, 58.1526 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 35.7842, 46.6261, 58.1526 by changing the saturation by 10% instead.

■ 35.7842, 46.6261,
58.1526

■ 35.7842, 46.6261,
58.1526

319.4641,
373.3201, 435.3684

■ 24.4369, 32.7402,
41.5158

■ 68.0249, 85.1552,
103.6620

■ 15.7845, 21.9275,
28.3996

■ 89.6490, 110.5672,
133.3717

■ 9.4617, 13.8036,
18.3855

■ 115.4295,
140.5900, 168.2762

■ 5.1030, 7.9842,
11.0548

145.7316,
175.6081, 208.7939

■ 2.3432, 4.0848,
5.9891

180.9208,
216.0057, 255.3435

■ 0.8166, 1.7211,
2.7697

221.3623,

■ 0.0000, 0.4373,

262.1673, 308.3434

0.9783

267.4216,
314.4773, 368.2122

■ 0.0000, 0.0000,
0.0000

■ 35.7842, 46.6261,
58.1526

■ 35.7842, 46.6261,
58.1526

■ 33.5865, 45.5001,
57.7867

■ 38.5224, 48.0330,
58.5466

■ 31.8890, 44.6308,
57.4440

■ 41.8299, 49.7321,
58.9671

■ 30.6525, 43.9992,
57.1237

■ 45.7381, 51.7410,
59.4165

■ 29.8301, 43.5811,
56.8235

■ 50.2751, 54.0740,
59.8961

■ 29.3650, 43.3471,
56.5409

■ 55.4674, 56.7448,
60.4072

■ 29.1990, 43.2647,
56.3870

■ 61.3396, 59.7661,
60.9509

■ 67.9153, 63.1500,
61.5283

■ 71.1288, 64.8006,
61.9492

■ 71.1807, 64.8214,
62.2230

Harmonies

Analogous

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



35.7791, 46.6261, 44.0932



35.7842, 46.6261, 58.1526



37.9572, 46.6261, 72.4988

Triad

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



35.7842, 46.6261, 58.1526



51.3672, 46.6261, 72.4410



46.8027, 46.6261, 28.8067

Complementary

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



35.7842, 46.6261, 58.1526



31.1044, 23.8221, 17.9994

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.



51.3496, 46.6261, 33.8813



35.7842, 46.6261, 58.1526



54.1146, 46.6261, 58.0844

Square

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



35.7842, 46.6261, 58.1526



46.8253, 46.6261, 81.7301



54.1080, 46.6261, 44.0364



41.8993, 46.6261, 28.8181

Rectangle

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



35.7842, 46.6261, 58.1526



40.4421, 46.6261, 79.5581



54.1080, 46.6261, 44.0364



48.4312, 46.6261, 29.9258

Sweetspot

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



35.7856, 46.6279, 58.1537



83.7657, 94.1969, 107.7321



29.1711, 44.0240, 21.4291



17.5623, 19.9733, 23.0187



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.



35.7856, 46.6279, 58.1537



61.0382, 82.5236, 104.7156



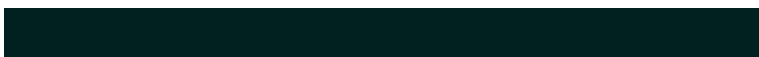
28.0600, 30.8144, 56.6954



10.3582, 11.4243, 12.8896



18.7656, 27.8003, 36.2542



0.8140, 1.2025, 1.5834

Inverse Universe

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



31.1044, 23.8221, 17.9994



51.5111, 36.0860, 22.9762



36.3695, 34.5268, 19.2165



10.0824, 10.0816, 10.5244



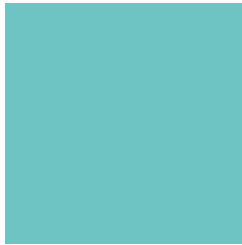
14.6478, 7.5489, 0.7912



0.6362, 0.3275, 0.0516

Previews

White Background



This preview shows how the XYZ color 35.7842, 46.6261, 58.1526 looks on a white background.

Color Contrast Check

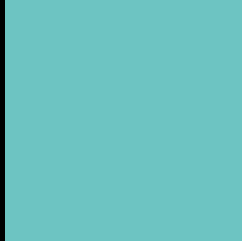
Large Text (above 18pt) WCAG AA × Fail

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 35.7842, 46.6261, 58.1526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

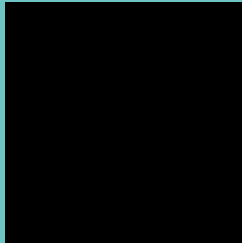
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7842, 46.6261, 58.1526

Background



This preview shows how black text looks on a background with the XYZ color 35.7842, 46.6261, 58.1526.

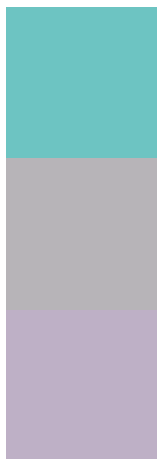


This preview shows how white text looks on a background with the XYZ color 35.7842, 46.6261,

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

35.7842, 46.6261, 58.1526

Protanopia

44.5014, 46.1705, 51.9137

Deuteranopia

46.9536, 46.0750, 59.8447



Tritanopia

37.7398, 46.7644, 67.3589

Trichromacy



Original Color

35.7842, 46.6261, 58.1526

Protanomaly

40.3463, 45.8166, 54.2940

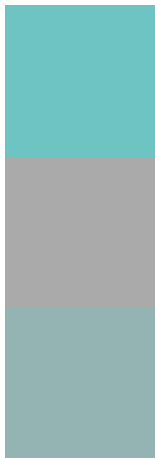
Deuteranomaly

41.7095, 45.4753, 59.4026

Tritanomaly

37.0963, 46.8346, 64.2115

Monochromacy



Original Color

35.7842, 46.6261, 58.1526

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.4695, 41.7908, 48.7921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7842, 46.6261, 58.1526 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(109, 196, 194)` looks like.

```
.text, #text, p{  
    color:rgb(109, 196, 194)  
}
```

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(109, 196, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 196, 194) }
```

Border

The CSS property to change the border of an element to XYZ 35.7842, 46.6261, 58.1526 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(109, 196, 194) }
```


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

```
.border{ border-color:rgb(109, 196, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 196, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 196, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 196, 194);  
box-shadow:4px 4px 4px 4px rgb(109, 196,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7842, 46.6261, 58.1526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 196, 194) }
```

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

```
.background{ background-color: rgb(109,  
196, 194) }
```

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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