

Converting Colors

XYZ(34.0386, 42.5370, 57.3377)

Have a look what the booklet for
XYZ(34.0386, 42.5370, 57.3377)
contains.

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Color

**XYZ(33.9786, 42.4576,
57.4432)**

Conversions

Conversions Part 1

Format	Color
Hex	70BAC2
RGB	112, 186, 194
RGB Percent	44%, 73%, 76%
CMY	0.5608, 0.2706, 0.2392
CMYK	0.42, 0.04, 0.00, 0.24
HSL	186°, 40%, 60%
HSV	186°, 42%, 76%
XYZ	33.9786, 42.4576, 57.4432
YIQ	164.7860, -46.6720, -13.2000

Conversions

Conversions Part 2

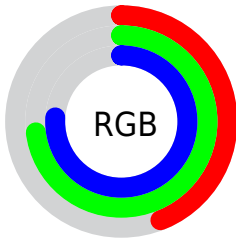
Format	Color
RYB	112, 151, 194
Decimal	7387842
CIELab	71.19, -20.94, -11.29
CIElCh	71, 23.785, 208.327
Yxy	42.4576, 0.2538, 0.3171
Android (android.graphics.Color)	4285577922 (0xFF70BAC2)
YUV	164.7860, 14.4025, -46.2933
Hunter-Lab	65.1595, -20.9471, -6.6571

Details

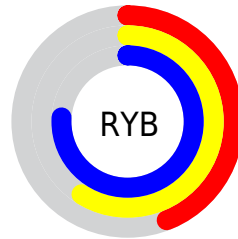
The XYZ color **33.9786, 42.4576, 57.4432** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.8899, 26.0728, 18.6820**, and the grayscale version is **35.6120, 37.4666, 40.8011**.

A 20% lighter version of the original color is **65.1559, 78.7312, 102.2050**, and **14.7520, 19.5093, 27.7991** is the 20% darker color. If you saturate the color by 10%, you get **31.3755, 40.5287, 57.2088**, and if you desaturate by 10%, it is **37.1214, 44.6745, 57.7062**.

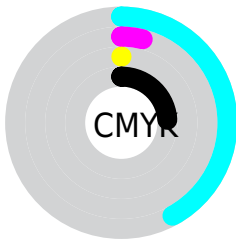
Distribution



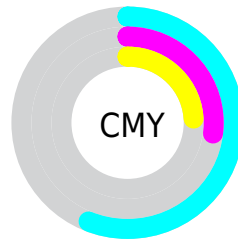
- Red (44%)
- Green (73%)
- Blue (76%)



- Red (44%)
- Yellow (59%)
- Blue (76%)



- Cyan (42%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)



- Cyan (56%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9786, 42.4576, 57.4432 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 33.9786, 42.4576, 57.4432 by changing the saturation by 10% instead.

■ 33.9786, 42.4576,
57.4432

■ 33.9786, 42.4576,
57.4432

311.6242,
356.3764, 432.6481

■ 23.0400, 29.4598,
40.9494

■ 65.2449, 78.8917,
102.6183

■ 14.7439, 19.4289,
27.9602

■ 86.3033, 103.0968,
132.1368

■ 8.7250, 11.9806,
18.0569

■ 111.4656,
131.8064, 166.8339

■ 4.6179, 6.7305,
10.8210

141.0973,
165.4050, 207.1282

■ 2.0573, 3.2941,
5.8339

175.5636,
204.2768, 253.4382

■ 0.6658, 1.2871,
2.6772

215.2300,

■ 0.0000, 0.1312,

248.8064, 306.1825

0.9319

260.4617,
299.3781, 365.7797

■ 0.0000, 0.0000,
0.0000

■ 33.9786, 42.4576,
57.4432

■ 33.9786, 42.4576,
57.4432

■ 31.3755, 40.5287,
57.2088

■ 37.1214, 44.6745,
57.7062

■ 29.2736, 38.8651,
56.9985

■ 40.8314, 47.1907,
57.9963

■ 27.6358, 37.4484,
56.8114

■ 45.1389, 50.0228,
58.3160

■ 26.4177, 36.2559,
56.6454

■ 50.0709, 53.1848,
58.6663

■ 25.5666, 35.2603,
56.4981

■ 55.6528, 56.6898,
59.0487

■ 25.0830, 34.5856,
56.3933

■ 61.9085, 60.5501,
59.4641

■ 68.8607, 64.7774,
59.9136

■ 71.8974, 66.9944,
60.1815

■ 72.3416, 67.8829,
60.3296

Harmonies

Analogous

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



33.1699, 42.4576, 45.5913



33.9786, 42.4576, 57.4432



36.4636, 42.4576, 67.5331

Triad

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



33.9786, 42.4576, 57.4432



47.2334, 42.4576, 58.7354



40.5788, 42.4576, 27.5803

Complementary

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



33.9786, 42.4576, 57.4432



31.8899, 26.0728, 18.6820

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.



44.5132, 42.4576, 29.9551



33.9786, 42.4576, 57.4432



48.5086, 42.4576, 46.8728

Square

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



33.9786, 42.4576, 57.4432



44.1008, 42.4576, 68.3614



47.4823, 42.4576, 36.5786



36.8269, 42.4576, 29.4779

Rectangle

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



33.9786, 42.4576, 57.4432



38.8241, 42.4576, 71.2220



47.4823, 42.4576, 36.5786



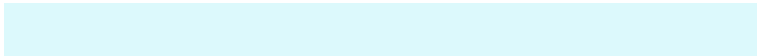
41.9249, 42.4576, 27.8965

Sweetspot

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



33.9799, 42.4593, 57.4442



80.9986, 90.1204, 105.5957



29.2946, 43.3571, 24.2262



17.3373, 19.4741, 23.0951



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.



33.9799, 42.4593, 57.4442



57.0393, 73.5762, 103.6651



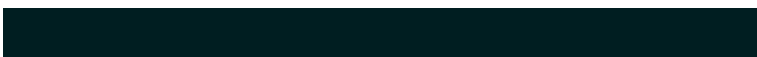
26.7253, 27.9501, 55.0260



10.2819, 11.2551, 12.9154



16.5246, 22.8057, 37.0876



0.7388, 1.0350, 1.6107

Inverse Universe

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



36.9063, 26.6039, 49.6461



63.1903, 41.4048, 87.0153



37.7156, 37.7241, 20.6239



10.4536, 10.2300, 12.4791



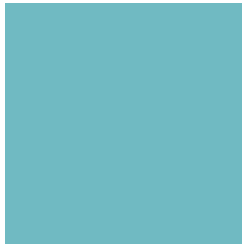
19.7368, 9.5845, 27.5898



0.8653, 0.4191, 1.2580

Previews

White Background



This preview shows how the XYZ color 33.9786, 42.4576, 57.4432 looks on a white background.

Color Contrast Check

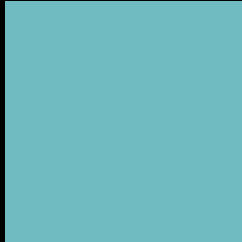
Large Text (above 18pt) WCAG AA × Fail

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 33.9786, 42.4576, 57.4432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

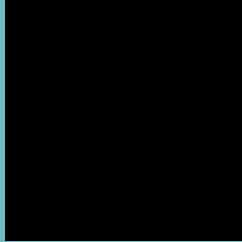
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9786, 42.4576, 57.4432

Background



This preview shows how black text looks on a background with the XYZ color 33.9786, 42.4576, 57.4432.

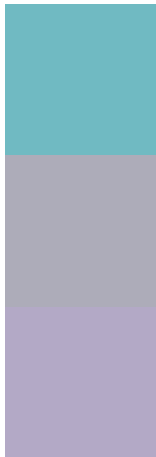


This preview shows how white text looks on a background with the XYZ color 33.9786, 42.4576,

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

33.9786, 42.4576, 57.4432

Protanopia

40.7431, 41.8921, 51.8375

Deuteranopia

42.9714, 42.0369, 59.2752



Tritanopia

34.7137, 42.4455, 61.0068

Trichromacy



Original Color

33.9786, 42.4576, 57.4432

Protanomaly

37.5617, 41.6544, 53.6373

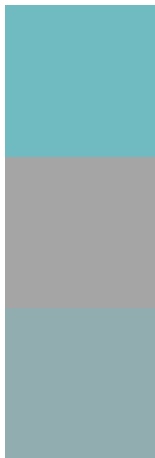
Deuteranomaly

38.9256, 41.6597, 58.8129

Tritanomaly

34.3521, 42.2859, 59.7775

Monochromacy



Original Color

33.9786, 42.4576, 57.4432

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.6341, 39.1327, 46.8023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9786, 42.4576, 57.4432 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(112, 186, 194)` looks like.

```
.text, #text, p{  
    color:rgb(112, 186, 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(112, 186, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 186, 194) }
```

Border

The CSS property to change the border of an element to XYZ 33.9786, 42.4576, 57.4432 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(112, 186, 194) }
```


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

```
.border{ border-color:rgb(112, 186, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 186, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 186, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 186, 194);  
box-shadow:4px 4px 4px 4px rgb(112, 186,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9786, 42.4576, 57.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 186, 194) }
```

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

```
.background{ background-color: rgb(112,  
186, 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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