

Converting Colors

XYZ(34.2824, 43.0695, 57.8423)

Have a look what the booklet for
XYZ(34.2824, 43.0695, 57.8423)
contains.

XYZ(34.1762, 42.8603, 58.1013)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.1762, 42.8603,
58.1013)**

Conversions

Conversions Part 1

Format	Color
Hex	6FBBC3
RGB	111, 187, 195
RGB Percent	44%, 73%, 76%
CMY	0.5647, 0.2667, 0.2353
CMYK	0.43, 0.04, 0.00, 0.24
HSL	186°, 41%, 60%
HSV	186°, 43%, 76%
XYZ	34.1762, 42.8603, 58.1013
YIQ	165.1880, -47.8640, -13.6240

Conversions

Conversions Part 2

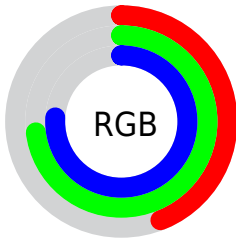
Format	Color
RYB	111, 151, 195
Decimal	7322563
CIELab	71.46, -21.43, -11.43
CIElCh	71, 24.291, 208.063
Yxy	42.8603, 0.2529, 0.3172
Android (android.graphics.Color)	4285512643 (0xFF6FBBC3)
YUV	165.1880, 14.6973, -47.5229
Hunter-Lab	65.4678, -21.3861, -6.7912

Details

The XYZ color **34.1762, 42.8603, 58.1013** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.9725, 25.9441, 18.3626**, and the grayscale version is **35.8036, 37.6682, 41.0207**.

A 20% lighter version of the original color is **65.5576, 79.3449, 103.9553**, and **14.9084, 19.7855, 28.2325** is the 20% darker color. If you saturate the color by 10%, you get **31.5943, 40.9493, 57.8693**, and if you desaturate by 10%, it is **37.3014, 45.0609, 58.3621**.

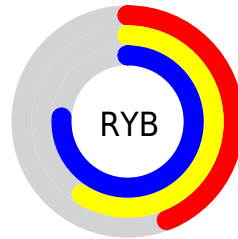
Distribution



Red (44%)

Green (73%)

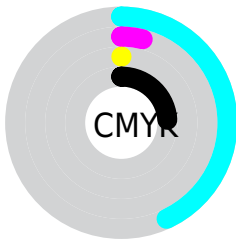
Blue (76%)



Red (44%)

Yellow (59%)

Blue (76%)

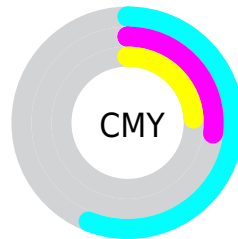


Cyan (43%)

Magenta (4%)

Yellow (0%)

Black (24%)



Cyan (56%)

Magenta (27%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1762, 42.8603, 58.1013 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 34.1762, 42.8603, 58.1013 by changing the saturation by 10% instead.

■ 34.1762, 42.8603,
58.1013

■ 34.1762, 42.8603,
58.1013

312.4891,
358.0369, 435.1721

■ 23.1925, 29.7755,
41.4749

■ 65.5501, 79.5000,
103.5866

■ 14.8572, 19.6683,
28.3678

■ 86.6709, 103.8237,
133.2825

■ 8.8049, 12.1541,
18.3617

■ 111.9016,
132.6625, 168.1720

■ 4.6702, 6.8487,
11.0378

141.6074,
166.4008, 208.6736

■ 2.0879, 3.3677,
5.9778

176.1537,
205.4230, 255.2059

■ 0.6826, 1.3266,
2.7630

215.9059,

■ 0.0000, 0.1616,

250.1135, 308.1874

0.9749

261.2292,
300.8567, 368.0366

■ 0.0000, 0.0000,
0.0000

■ 34.1762, 42.8603,
58.1013

■ 34.1762, 42.8603,
58.1013

■ 31.5943, 40.9493,
57.8693

■ 37.3014, 45.0609,
58.3621

■ 29.5165, 39.3047,
57.6613

■ 40.9980, 47.5628,
58.6502

■ 27.9048, 37.9078,
57.4767

■ 45.2968, 50.3827,
58.9679

■ 26.7136, 36.7353,
57.3131

■ 50.2254, 53.5349,
59.3166

■ 25.8886, 35.7589,
57.1682

■ 55.8096, 57.0327,
59.6974

■ 25.4610, 35.1613,
57.0753

■ 62.0737, 60.8888,
60.1115

■ 69.0408, 65.1149,
60.5601

■ 72.1775, 67.3742,
60.8308

■ 72.6154, 68.2500,
60.9768

Harmonies

Analogous

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



33.3632, 42.8603, 45.9093



34.1762, 42.8603, 58.1013



36.7122, 42.8603, 68.5416

Triad

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



34.1762, 42.8603, 58.1013



47.7921, 42.8603, 59.6431



41.0042, 42.8603, 27.5621

Complementary

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



34.1762, 42.8603, 58.1013



31.9725, 25.9441, 18.3626

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.



45.0467, 42.8603, 30.0261



34.1762, 42.8603, 58.1013



49.1253, 42.8603, 47.4342

Square

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



34.1762, 42.8603, 58.1013



44.5554, 42.8603, 69.5315



48.0889, 42.8603, 36.8418



37.1441, 42.8603, 29.4614

Rectangle

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



34.1762, 42.8603, 58.1013



39.1302, 42.8603, 72.3923



48.0889, 42.8603, 36.8418



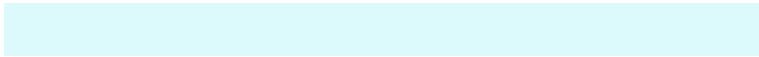
42.3880, 42.8603, 27.8977

Sweetspot

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



34.1775, 42.8620, 58.1023



81.0222, 90.1676, 105.6036



29.3416, 43.7186, 24.0327



17.3433, 19.4862, 23.0971



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.



34.1775, 42.8620, 58.1023



56.6975, 73.4256, 103.6541



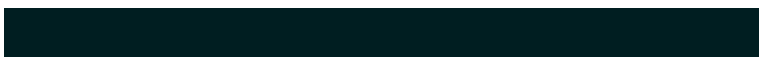
26.6858, 27.8785, 55.6051



10.2839, 11.2592, 12.9160



16.5817, 22.9199, 37.1066



0.7407, 1.0389, 1.6114

Inverse Universe

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



37.1608, 26.5600, 50.1835



62.8877, 40.7855, 86.9574



37.9466, 37.8924, 20.3540



10.4546, 10.2305, 12.4845



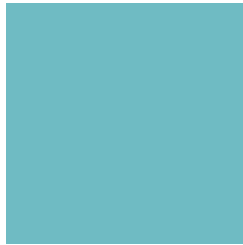
19.7656, 9.5960, 27.7417



0.8663, 0.4195, 1.2632

Previews

White Background



This preview shows how the XYZ color 34.1762, 42.8603, 58.1013 looks on a white background.

Color Contrast Check

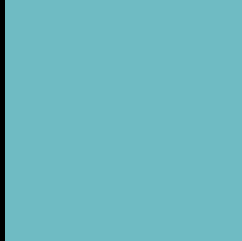
Large Text (above 18pt) WCAG AA × Fail

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 34.1762, 42.8603, 58.1013 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 34.1762, 42.8603, 58.1013

Background



This preview shows how black text looks on a background with the XYZ color 34.1762, 42.8603, 58.1013.



This preview shows how white text looks on a background with the XYZ color 34.1762, 42.8603,

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

34.1762, 42.8603, 58.1013

Protanopia

41.2621, 42.4310, 52.4696

Deuteranopia

43.2739, 42.4567, 59.9470



Tritanopia

34.9116, 42.8456, 61.6883

Trichromacy



Original Color

34.1762, 42.8603, 58.1013

Protanomaly

37.8682, 42.0942, 54.2732

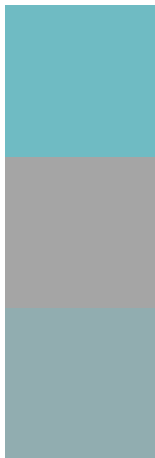
Deuteranomaly

39.0448, 41.9979, 59.4746

Tritanomaly

34.5498, 42.6861, 60.4511

Monochromacy



Original Color

34.1762, 42.8603, 58.1013

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.4571, 39.0415, 46.7940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1762, 42.8603, 58.1013 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(111, 187, 195)` looks like.

```
.text, #text, p{  
    color:rgb(111, 187, 195)  
}
```

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(111, 187, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 187, 195) }
```

Border

The CSS property to change the border of an element to XYZ 34.1762, 42.8603, 58.1013 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(111, 187, 195) }
```


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

```
.border{ border-color:rgb(111, 187, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 187, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 187, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 187, 195); box-shadow:4px 4px 4px 4px rgb(111, 187, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1762, 42.8603, 58.1013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 187, 195) }
```

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

```
.background{ background-color: rgb(111,  
187, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor