

Converting Colors

XYZ(31.5413, 41.4086, 58.8513)

Have a look what the booklet for
XYZ(31.5413, 41.4086, 58.8513)
contains.

XYZ(31.5719, 41.5046, 58.5717)	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(31.5719, 41.5046,
58.5717)**

Conversions

Conversions Part 1

Format	Color
Hex	56BBC4
RGB	86, 187, 196
RGB Percent	34%, 73%, 77%
CMY	0.6627, 0.2667, 0.2314
CMYK	0.56, 0.05, 0.00, 0.23
HSL	185°, 48%, 55%
HSV	185°, 56%, 77%
XYZ	31.5719, 41.5046, 58.5717
YIQ	157.8270, -63.0850, -18.6130

Conversions

Conversions Part 2

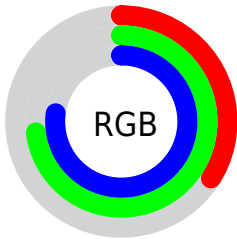
Format	Color
RYB	86, 139, 196
Decimal	5684164
CIELab	70.53, -26.69, -13.47
CIElCh	71, 29.895, 206.782
Yxy	41.5046, 0.2398, 0.3153
Android (android.graphics.Color)	4283874244 (0xFF56BBC4)
YUV	157.8270, 18.8193, -62.9923
Hunter-Lab	64.4241, -25.2657, -8.8072

Details

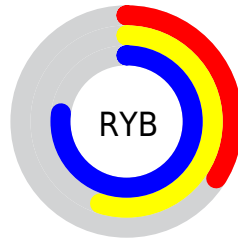
The XYZ color **31.5719, 41.5046, 58.5717** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **28.5378, 20.5930, 11.2761**, and the grayscale version is **32.3602, 34.0455, 37.0755**.

A 20% lighter version of the original color is **61.4573, 77.2128, 104.5929**, and **13.2950, 18.7410, 28.5078** is the 20% darker color. If you saturate the color by 10%, you get **29.6708, 40.0233, 58.3867**, and if you desaturate by 10%, it is **33.9741, 43.2517, 58.7831**.

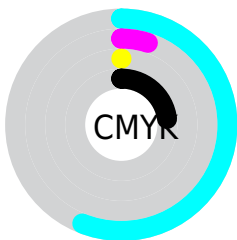
Distribution



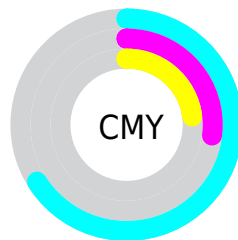
- Red (34%)
- Green (73%)
- Blue (77%)



- Red (34%)
- Yellow (55%)
- Blue (77%)



- Cyan (56%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)



- Cyan (66%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5719, 41.5046, 58.5717 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 31.5719, 41.5046, 58.5717 by changing the saturation by 10% instead.

■ 31.5719, 41.5046,
58.5717

■ 31.5719, 41.5046,
58.5717

300.9445,
352.4252, 436.9705

■ 21.1887, 28.7136,
41.8507

■ 61.5091, 77.4493,
104.2779

■ 13.3752, 18.8643,
28.6597

■ 81.7938, 101.3718,
134.1002

■ 7.7662, 11.5722,
18.5802

■ 106.1097,
129.7735, 169.1266

■ 3.9963, 6.4531,
11.1936

■ 134.8221,
163.0389, 209.7758

■ 1.7000, 3.1225,
6.0814

168.2965,
201.5524, 256.4662

■ 0.4563, 1.1960,
2.8250

206.8981,

■ 0.0000, 0.0585,

245.6984, 309.6165

1.0060

250.9923,
295.8611, 369.6450

■ 0.0000, 0.0000,
0.0000

■ 31.5719, 41.5046,
58.5717

■ 31.5719, 41.5046,
58.5717

■ 29.6708, 40.0233,
58.3867

■ 33.9741, 43.2517,
58.7831

■ 28.2255, 38.7816,
58.2232

■ 36.9104, 45.2789,
59.0196

■ 27.1888, 37.7563,
58.0800

■ 40.4155, 47.6050,
59.2838

■ 26.4996, 36.9156,
57.9540

■ 44.5199, 50.2457,
59.5772

■ 26.2786, 36.6148,
57.9076

■ 49.2522, 53.2159,
59.9011

■ 54.6389, 56.5291,
60.2567

■ 60.7050, 60.1983,
60.6452

■ 67.4744, 64.2358,
61.0677

■ 72.1918, 67.2213,
61.3954

Harmonies

Analogous

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



30.7155, 41.5046, 43.6835



31.5719, 41.5046, 58.5717



34.4770, 41.5046, 71.9427

Triad

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



31.5719, 41.5046, 58.5717



47.9289, 41.5046, 61.7681



39.9838, 41.5046, 23.1318

Complementary

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



31.5719, 41.5046, 58.5717



28.5378, 20.5930, 11.2761

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.



44.8771, 41.5046, 26.0606



31.5719, 41.5046, 58.5717



49.6982, 41.5046, 46.7337

Square

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



31.5719, 41.5046, 58.5717



43.8795, 41.5046, 74.0420



48.5378, 41.5046, 34.0219



35.3270, 41.5046, 25.0183

Rectangle

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



31.5719, 41.5046, 58.5717



37.3193, 41.5046, 77.1341



48.5378, 41.5046, 34.0219



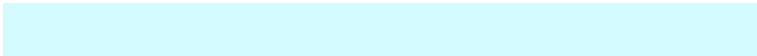
41.6579, 41.5046, 23.5676

Sweetspot

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



31.5732, 41.5062, 58.5727



79.7397, 90.4433, 107.8623



25.5693, 42.2554, 17.2432



16.7291, 19.1424, 23.0631



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.



31.5732, 41.5062, 58.5727



53.1818, 72.0362, 105.7091



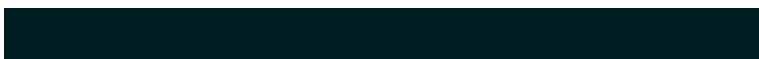
22.2818, 22.9235, 55.4756



10.2958, 11.2829, 12.9200



16.9151, 23.5866, 37.2178



0.7521, 1.0615, 1.6151

Inverse Universe

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



35.0635, 21.9804, 49.4099



60.3027, 33.9762, 86.6172



35.0880, 33.6934, 13.4595



10.4606, 10.2328, 12.5161



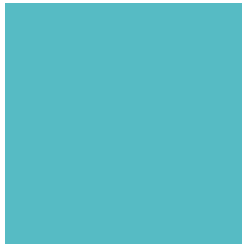
19.9339, 9.6633, 28.6278



0.8720, 0.4218, 1.2933

Previews

White Background



This preview shows how the XYZ color 31.5719, 41.5046, 58.5717 looks on a white background.

Color Contrast Check

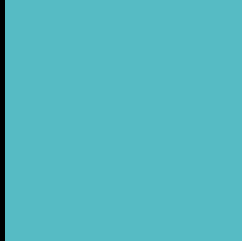
Large Text (above 18pt) WCAG AA × Fail

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 31.5719, 41.5046, 58.5717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

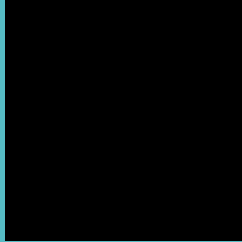
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5719, 41.5046, 58.5717

Background



This preview shows how black text looks on a background with the XYZ color 31.5719, 41.5046, 58.5717.

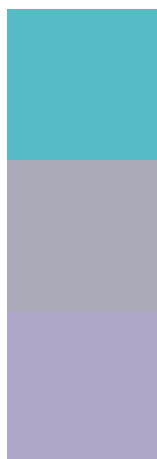


This preview shows how white text looks on a background with the XYZ color 31.5719, 41.5046,

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

31.5719, 41.5046, 58.5717

Protanopia

39.7092, 40.7983, 51.6809

Deuteranopia

41.6996, 40.8062, 60.3222



Tritanopia

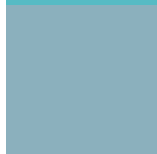
32.1260, 41.4096, 61.5580

Trichromacy



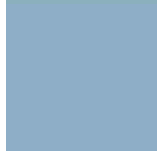
Original Color

31.5719, 41.5046, 58.5717



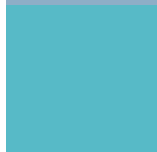
Protanomaly

35.3581, 40.2138, 54.0426



Deuteranomaly

36.6002, 40.1464, 59.8528



Tritanomaly

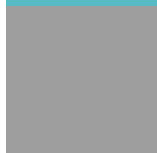
31.7982, 41.2676, 60.3223

Monochromacy



Original Color

31.5719, 41.5046, 58.5717



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

31.1501, 36.2600, 44.3868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5719, 41.5046, 58.5717 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(86, 187, 196)` looks like.

```
.text, #text, p{  
    color:rgb(86, 187, 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(86, 187, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 187, 196) }
```

Border

The CSS property to change the border of an element to XYZ 31.5719, 41.5046, 58.5717 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(86, 187, 196) }
```


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

```
.border{ border-color:rgb(86, 187, 196) }
```

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

Here you see how a box with a 4 pixel rgb(86, 187, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 187, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 187, 196);  
box-shadow:4px 4px 4px 4px rgb(86, 187,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5719, 41.5046, 58.5717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 187, 196) }
```

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

```
.background{ background-color: rgb(86, 187,  
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](#).

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