

Converting Colors

XYZ(36.8513, 51.5497, 66.8053)

Have a look what the booklet for
XYZ(36.8513, 51.5497, 66.8053)
contains.

XYZ(36.8870, 51.5618, 67.0398)	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(36.8870, 51.5618,
67.0398)**

Conversions

Conversions Part 1

Format	Color
Hex	4AD1CF
RGB	74, 209, 207
RGB Percent	29%, 82%, 81%
CMY	0.7098, 0.1804, 0.1882
CMYK	0.65, 0.00, 0.01, 0.18
HSL	179°, 59%, 55%
HSV	179°, 65%, 82%
XYZ	36.8870, 51.5618, 67.0398
YIQ	168.4070, -79.8180, -29.2420

Conversions

Conversions Part 2

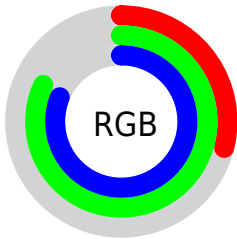
Format	Color
RYB	74, 142, 209
Decimal	4903375
CIELab	77.02, -36.23, -9.77
CIELCh	77, 37.524, 195.091
Yxy	51.5618, 0.2372, 0.3316
Android (android.graphics.Color)	4283093455 (0xFF4AD1CF)
YUV	168.4070, 19.0263, -82.7949
Hunter-Lab	71.8065, -33.9661, -5.0896

Details

The XYZ color **36.8870, 51.5618, 67.0398** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.0495, 18.9762, 8.9181**, and the grayscale version is **37.3586, 39.3042, 42.8023**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **17.3054, 25.4111, 34.1297** is the 20% darker color. If you saturate the color by 10%, you get **35.4999, 50.8523, 66.7784**, and if you desaturate by 10%, it is **38.8116, 52.5507, 67.3290**.

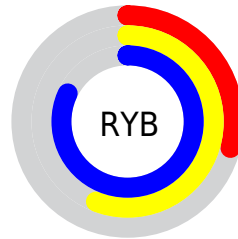
Distribution



Red (29%)

Green (82%)

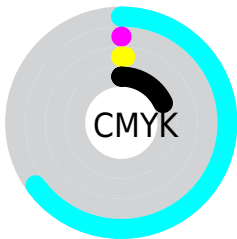
Blue (81%)



Red (29%)

Yellow (56%)

Blue (82%)

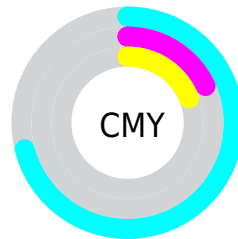


Cyan (65%)

Magenta (0%)

Yellow (1%)

Black (18%)



Cyan (71%)

Magenta (18%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8870, 51.5618, 67.0398 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 36.8870, 51.5618, 67.0398 by changing the saturation by 10% instead.

36.8870, 51.5618,
67.0398

36.8870, 51.5618,
67.0398

324.1851,
392.7426, 468.5918

25.2933, 36.6559,
48.6552

69.7139, 92.4847,
116.6186

16.4256, 24.9412,
33.9823

91.6778, 119.2704,
148.6499

9.9186, 16.0332,
22.6028

117.8292,
150.7850, 186.0672

5.4068, 9.5477,
14.0979

148.5333,
187.4126, 229.2889

2.5251, 5.1001,
8.0493

184.1557,
229.5378, 278.7337

0.9079, 2.3061,
4.0383

225.0615,

0.0000, 0.7769,

277.5449, 334.8201

1.6464

271.6162,
331.8184, 397.9666

■ 0.0000, 0.0000,
0.3236

■ 0.0000, 0.0000,
0.0000

■ 36.8870, 51.5618,
67.0398

■ 36.8870, 51.5618,
67.0398

■ 35.4999, 50.8523,
66.7784

■ 38.8116, 52.5507,
67.3290

■ 34.5904, 50.3878,
66.5386

■ 41.3168, 53.8379,
67.6447

■ 34.0927, 50.1355,
66.3185

■ 44.4467, 55.4470,
67.9899

■ 33.9302, 50.0541,
66.2046

■ 48.2398, 57.3980,
68.3666

■ 52.7315, 59.7091,
68.7764

■ 57.9546, 62.3973,
69.2208

■ 63.9401, 65.4785,
69.7012

■ 70.7169, 68.9676,
70.2191

■ 75.6481, 71.5053,
70.6510

Harmonies

Analogous

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



36.8776, 51.5618, 46.6016



36.8870, 51.5618, 67.0398



39.9215, 51.5618, 88.9318

Triad

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



36.8870, 51.5618, 67.0398



59.4133, 51.5618, 88.8109



52.6339, 51.5618, 26.0225

Complementary

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



36.8870, 51.5618, 67.0398



30.0495, 18.9762, 8.9181

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.



59.3780, 51.5618, 32.6019



36.8870, 51.5618, 67.0398



63.5434, 51.5618, 66.9031

Square

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



36.8870, 51.5618, 67.0398



52.6785, 51.5618, 103.4324



63.5298, 51.5618, 46.4943



45.5120, 51.5618, 26.0420

Rectangle

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



36.8870, 51.5618, 67.0398



43.4381, 51.5618, 100.0047



63.5298, 51.5618, 46.4943



55.0346, 51.5618, 27.4487

Sweetspot

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



36.8885, 51.5638, 67.0410



79.3011, 91.8945, 107.5603



27.0385, 47.6441, 14.2510



16.5450, 19.4486, 22.9829



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.



36.8885, 51.5638, 67.0410



54.9752, 79.3951, 104.5648



24.2699, 25.9322, 64.0500



12.1505, 13.4040, 15.1490



20.9231, 30.8622, 40.8366



1.1724, 1.7266, 2.2964

Inverse Universe

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



30.0495, 18.9762, 8.9181



43.4497, 24.4143, 6.5668



36.8013, 32.5896, 10.8306



11.8158, 11.8110, 12.3056



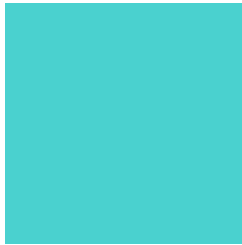
16.2261, 8.3633, 0.8307



0.9098, 0.4686, 0.0599

Previews

White Background



This preview shows how the XYZ color 36.8870, 51.5618, 67.0398 looks on a white background.

Color Contrast Check

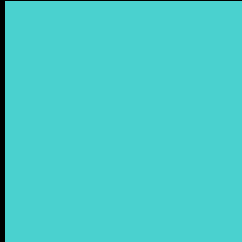
Large Text (above 18pt) WCAG AA × Fail

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 36.8870, 51.5618, 67.0398 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

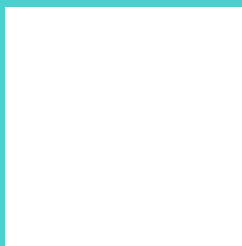
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8870, 51.5618, 67.0398

Background



This preview shows how black text looks on a background with the XYZ color 36.8870, 51.5618, 67.0398.

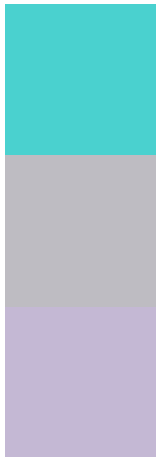


This preview shows how white text looks on a background with the XYZ color 36.8870, 51.5618,

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

36.8870, 51.5618, 67.0398

Protanopia

48.9560, 50.8086, 58.2657

Deuteranopia

51.7891, 50.7702, 69.3574



Tritanopia

39.1118, 51.7472, 77.7388

Trichromacy



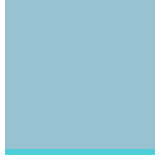
Original Color

36.8870, 51.5618, 67.0398



Protanomaly

42.2615, 49.8993, 61.4369



Deuteranomaly

43.6517, 49.4685, 68.2204



Tritanomaly

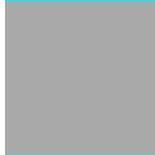
38.3047, 51.7838, 73.6220

Monochromacy



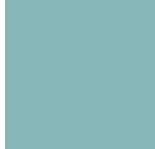
Original Color

36.8870, 51.5618, 67.0398



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.2085, 42.3127, 50.5675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8870, 51.5618, 67.0398 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(74, 209, 207)` looks like.

```
.text, #text, p{  
    color:rgb(74, 209, 207)  
}
```

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(74, 209, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 209, 207) }
```

Border

The CSS property to change the border of an element to XYZ 36.8870, 51.5618, 67.0398 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(74, 209, 207) }
```


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

```
.border{ border-color:rgb(74, 209, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 209, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 209, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 209, 207);  
box-shadow:4px 4px 4px 4px rgb(74, 209,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8870, 51.5618, 67.0398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 209, 207) }
```

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

```
.background{ background-color: rgb(74, 209,  
207) }
```

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