

Converting Colors

XYZ(35.7463, 50.7594, 51.0444)

Have a look what the booklet for
XYZ(35.7463, 50.7594, 51.0444)
contains.

XYZ(35.6966, 50.5736, 51.0603)	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(35.6966, 50.5736,
51.0603)**

Conversions

Conversions Part 1

Format	Color
Hex	63CFB4
RGB	99, 207, 180
RGB Percent	39%, 81%, 71%
CMY	0.6118, 0.1882, 0.2941
CMYK	0.52, 0.00, 0.13, 0.19
HSL	165°, 53%, 60%
HSV	165°, 52%, 81%
XYZ	35.6966, 50.5736, 51.0603
YIQ	171.6300, -55.7010, -31.2930

Conversions

Conversions Part 2

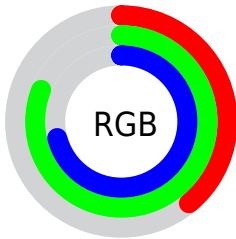
Format	Color
RYB	99, 161, 207
Decimal	6541236
CIELab	76.42, -37.62, 3.96
CIELCh	76, 37.826, 173.988
Yxy	50.5736, 0.2599, 0.3683
Android (android.graphics.Color)	4284731316 (0xFF63CFB4)
YUV	171.6300, 4.1264, -63.6965
Hunter-Lab	71.1151, -34.8525, 7.2107

Details

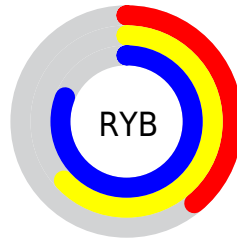
The XYZ color **35.6966, 50.5736, 51.0603** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.9615, 23.6967, 22.5243**, and the grayscale version is **39.0269, 41.0593, 44.7136**.

A 20% lighter version of the original color is **64.8049, 84.7442, 92.2986**, and **15.7187, 24.3289, 23.9462** is the 20% darker color. If you saturate the color by 10%, you get **33.2013, 49.3483, 48.2433**, and if you desaturate by 10%, it is **38.7940, 52.1096, 54.0105**.

Distribution



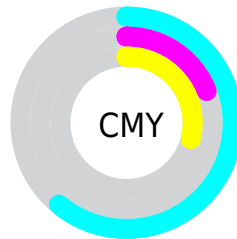
- Red (39%)
- Green (81%)
- Blue (71%)



- Red (39%)
- Yellow (63%)
- Blue (81%)



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (19%)



- Cyan (61%)
- Magenta (19%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6966, 50.5736, 51.0603 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 35.6966, 50.5736, 51.0603 by changing the saturation by 10% instead.

■ 35.6966, 50.5736,
51.0603

■ 35.6966, 50.5736,
51.0603

319.0869,
388.9048, 407.6513

■ 24.3690, 35.8694,
35.8795

■ 67.8905, 91.0242,
93.1563

■ 15.7338, 24.3333,
24.0522

■ 89.4874, 117.5393,
120.9086

■ 9.4256, 15.5811,
15.1598

■ 115.2382,
148.7602, 153.6886

■ 5.0791, 9.2282,
8.7837

■ 145.5082,
185.0712, 191.9147

■ 2.3290, 4.8903,
4.5055

180.6626,
226.8568, 236.0054

■ 0.8094, 2.1831,
1.9066

221.0670,

■ 0.0000, 0.7107,

274.5014, 286.3794

0.4969

267.0867,
328.3892, 343.4552

■ 0.0000, 0.0000,
0.0000

■ 35.6966, 50.5736,
51.0603

■ 35.6966, 50.5736,
51.0603

■ 33.2013, 49.3483,
48.2433

■ 38.7940, 52.1096,
54.0105

■ 31.2583, 48.4042,
45.5527

■ 42.5300, 53.9712,
57.0934

■ 29.8170, 47.7165,
42.9861

■ 46.9428, 56.1794,
60.3129

■ 28.8149, 47.2530,
40.5395

■ 52.0667, 58.7518,
63.6716

■ 28.2511, 47.0024,
38.7035

■ 57.9336, 61.7049,
67.1722

■ 64.5731, 65.0539,
70.8170

■ 72.0136, 68.8134,
74.6084

■ 76.6589, 71.1295,
78.3791

■ 77.3610, 71.4104,
82.0762

Harmonies

Analogous

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



37.8215, 50.5736, 35.0778



35.6966, 50.5736, 51.0603



36.6124, 50.5736, 72.5972

Triad

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



35.6966, 50.5736, 51.0603



53.8532, 50.5736, 99.2263



56.5772, 50.5736, 29.0461

Complementary

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



35.6966, 50.5736, 51.0603



33.9615, 23.6967, 22.5243

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.



61.6955, 50.5736, 40.6122



35.6966, 50.5736, 51.0603



60.0173, 50.5736, 81.4903

Square

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



35.6966, 50.5736, 51.0603



46.6489, 50.5736, 103.9971



63.0126, 50.5736, 59.2760



49.5170, 50.5736, 24.5489

Rectangle

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



35.6966, 50.5736, 51.0603



38.8747, 50.5736, 87.0385



63.0126, 50.5736, 59.2760



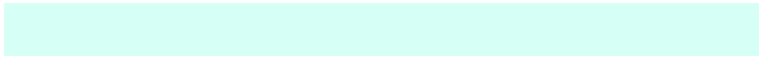
58.6088, 50.5736, 32.0740

Sweetspot

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



35.6980, 50.5756, 51.0615



80.0008, 92.4266, 99.8493



33.4385, 50.1023, 19.7135



16.7577, 19.5995, 21.1319



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.



35.6980, 50.5756, 51.0615



52.6566, 78.8160, 76.6164



33.0966, 40.5335, 65.1132



12.0268, 13.3545, 14.4975



17.8383, 29.6283, 24.5925



1.0281, 1.6689, 1.5368

Inverse Universe

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



33.9615, 23.6967, 22.5243



49.6130, 31.0634, 26.1241



35.2186, 28.6331, 15.4757



11.9283, 11.8560, 12.8980



16.6317, 8.5255, 2.9668



0.9624, 0.4897, 0.3367

Previews

White Background



This preview shows how the XYZ color 35.6966, 50.5736, 51.0603 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 35.6966, 50.5736, 51.0603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

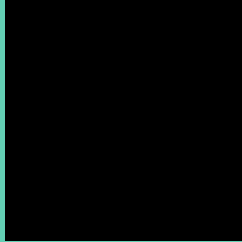
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

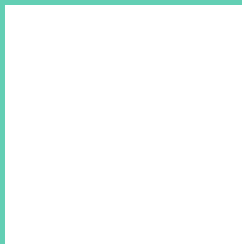
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6966, 50.5736, 51.0603

Background



This preview shows how black text looks on a background with the XYZ color 35.6966, 50.5736, 51.0603.

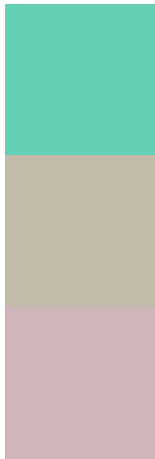


This preview shows how white text looks on a background with the XYZ color 35.6966, 50.5736,

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

35.6966, 50.5736, 51.0603

Protanopia

47.4374, 50.0073, 44.6883

Deuteranopia

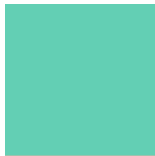
50.8404, 49.7147, 53.3707



Tritanopia

40.3310, 50.6825, 73.9867

Trichromacy



Original Color

35.6966, 50.5736, 51.0603



Protanomaly

41.3318, 49.0743, 46.8290



Deuteranomaly

43.0015, 48.5031, 52.4430



Tritanomaly

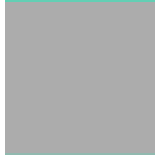
38.5554, 50.6712, 64.8752

Monochromacy



Original Color

35.6966, 50.5736, 51.0603



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.7639, 43.8128, 47.0765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6966, 50.5736, 51.0603 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(99, 207, 180)` looks like.

```
.text, #text, p{  
    color:rgb(99, 207, 180)  
}
```

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(99, 207, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 207, 180) }
```

Border

The CSS property to change the border of an element to XYZ 35.6966, 50.5736, 51.0603 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(99, 207, 180) }
```


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

```
.border{ border-color:rgb(99, 207, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 207, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 207, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 207, 180);  
box-shadow:4px 4px 4px 4px rgb(99, 207,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6966, 50.5736, 51.0603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 207, 180) }
```

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

```
.background{ background-color: rgb(99, 207,  
180) }
```

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