

Converting Colors

XYZ(36.5780, 55.7631, 50.6650)

Have a look what the booklet for
XYZ(36.5780, 55.7631, 50.6650)
contains.

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Color

**XYZ(36.6709, 55.9804,
50.4675)**

Conversions

Conversions Part 1

Format	Color
Hex	4EDCB1
RGB	78, 220, 177
RGB Percent	31%, 86%, 69%
CMY	0.6941, 0.1372, 0.3059
CMYK	0.65, 0.00, 0.20, 0.14
HSL	162°, 67%, 58%
HSV	162°, 65%, 86%
XYZ	36.6709, 55.9804, 50.4675
YIQ	172.6400, -70.8290, -43.4770

Conversions

Conversions Part 2

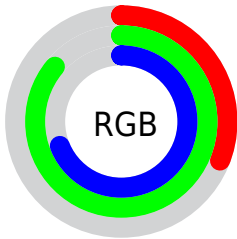
Format	Color
RYB	78, 162, 220
Decimal	5168305
CIELab	79.60, -48.08, 10.05
CIELCh	80, 49.123, 168.192
Yxy	55.9804, 0.2562, 0.3911
Android (android.graphics.Color)	4283358385 (0xFF4EDCB1)
YUV	172.6400, 2.1495, -82.9993
Hunter-Lab	74.8201, -43.4484, 12.3818

Details

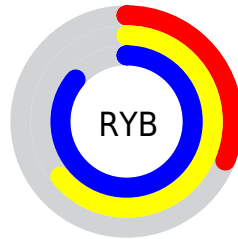
The XYZ color **36.6709, 55.9804, 50.4675** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **35.6927, 22.0464, 20.4655**, and the grayscale version is **39.5539, 41.6138, 45.3175**.

A 20% lighter version of the original color is **61.4525, 83.0659, 89.8852**, and **16.9135, 28.0062, 23.5831** is the 20% darker color. If you saturate the color by 10%, you get **34.5132, 54.9443, 46.9850**, and if you desaturate by 10%, it is **39.4668, 57.3446, 54.1516**.

Distribution



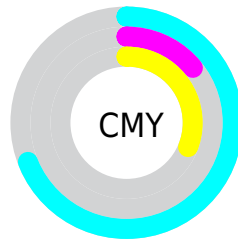
- Red (31%)
- Green (86%)
- Blue (69%)



- Red (31%)
- Yellow (64%)
- Blue (86%)



- Cyan (65%)
- Magenta (0%)
- Yellow (20%)
- Black (14%)





- Cyan (69%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6709, 55.9804, 50.4675 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 36.6709, 55.9804, 50.4675 by changing the saturation by 10% instead.


 36.6709, 55.9804,
50.4675


 36.6709, 55.9804,
50.4675


323.2638,
409.6176, 405.2787


 25.1253, 40.1872,
35.4112


 69.3835, 98.9759,
92.2706


 16.2997, 27.6845,
23.6937


 91.2811, 126.9470,
119.8545

 9.8286, 18.0880,
14.8965


 117.3602,
159.7463, 152.4513

 5.3469, 11.0132,
8.6010

 147.9860,
197.7580, 190.4796

 2.4890, 6.0757,
4.3886

183.5239,
241.3666, 234.3580

 0.8897, 2.8912,
1.8409

224.3393,

 0.0000, 1.0752,

290.9564, 284.5049

0.4547

270.7975,
346.9120, 341.3390

■ 0.0000, 0.0000,
0.0000

■ 36.6709, 55.9804,
50.4675

■ 36.6709, 55.9804,
50.4675

■ 34.5132, 54.9443,
46.9850

■ 39.4668, 57.3446,
54.1516

■ 32.9257, 54.1971,
43.6949

■ 42.9510, 59.0583,
58.0382


■ 31.8329, 53.7013,
40.5924


■ 47.1736, 61.1489,
62.1334


■ 31.3753, 53.5008,
38.9745


■ 52.1787, 63.6389,
66.4413

■ 58.0069, 66.5493,
70.9661

 64.6959, 69.8995,
75.7117

 72.2809, 73.7076,
80.6818

 80.7954, 77.9907,
85.8803

 82.1149, 78.5606,
90.9287

Harmonies

Analogous

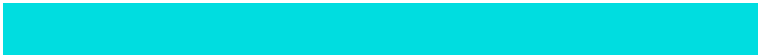
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.2474, 55.9804, 31.3637



36.6709, 55.9804, 50.4675



37.1004, 55.9804, 79.5984

Triad

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



36.6709, 55.9804, 50.4675



59.3721, 55.9804, 128.7660



66.9275, 55.9804, 28.6884

Complementary

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



36.6709, 55.9804, 50.4675



35.6927, 22.0464, 20.4655

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.



73.4094, 55.9804, 45.4737



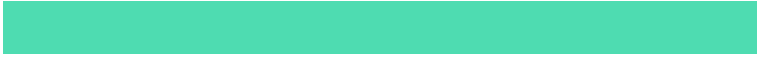
36.6709, 55.9804, 50.4675



68.6885, 55.9804, 104.9776

Square

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



36.6709, 55.9804, 50.4675



49.4080, 55.9804, 131.3691



74.0911, 55.9804, 72.7990



57.1974, 55.9804, 21.6584

Rectangle

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



36.6709, 55.9804, 50.4675



39.6099, 55.9804, 101.2373



74.0911, 55.9804, 72.7990



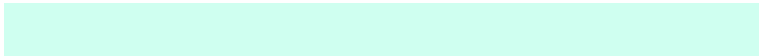
69.6078, 55.9804, 33.0862

Sweetspot

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



36.6724, 55.9826, 50.4688



77.1435, 91.0314, 96.1985



35.1337, 55.9473, 16.1558



16.0170, 19.2374, 20.2022



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.



36.6724, 55.9826, 50.4688



47.4543, 76.4037, 64.1960



35.3463, 45.3579, 74.6047



13.2682, 14.7589, 15.8751



18.4648, 31.4185, 23.1446



1.2338, 2.0505, 1.6972

Inverse Universe

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



35.6927, 22.0464, 20.4655



46.0627, 25.6627, 19.6998



35.8458, 25.6747, 10.2751



13.2175, 13.1161, 14.4068



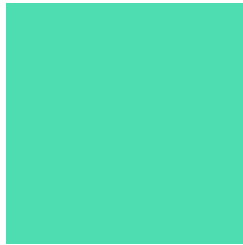
17.9536, 9.1825, 4.1356



1.2008, 0.6100, 0.4664

Previews

White Background



This preview shows how the XYZ color 36.6709, 55.9804, 50.4675 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 36.6709, 55.9804, 50.4675 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

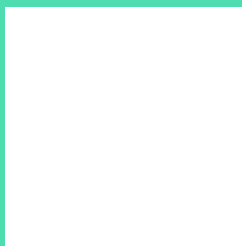
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6709, 55.9804, 50.4675

Background



This preview shows how black text looks on a background with the XYZ color 36.6709, 55.9804, 50.4675.

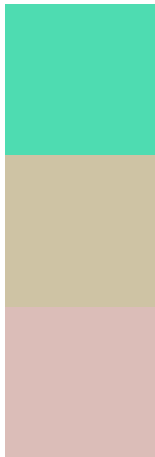


This preview shows how white text looks on a background with the XYZ color 36.6709, 55.9804,

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

36.6709, 55.9804, 50.4675

Protanopia

51.6695, 54.8324, 42.9824

Deuteranopia

56.0627, 54.9160, 52.9924



Tritanopia

43.2228, 55.9543, 83.3851

Trichromacy



Original Color

36.6709, 55.9804, 50.4675



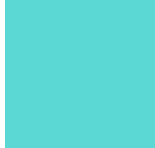
Protanomaly

43.0524, 53.4212, 45.5783



Deuteranomaly

45.1432, 52.9696, 51.5609



Tritanomaly

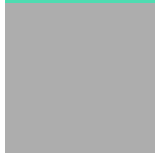
40.6281, 56.0390, 70.3033

Monochromacy



Original Color

36.6709, 55.9804, 50.4675



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.5347, 45.2862, 46.8599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6709, 55.9804, 50.4675 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(78, 220, 177)` looks like.

```
.text, #text, p{  
    color:rgb(78, 220, 177)  
}
```

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(78, 220, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 220, 177) }
```

Border

The CSS property to change the border of an element to XYZ 36.6709, 55.9804, 50.4675 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(78, 220, 177) }
```


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

```
.border{ border-color:rgb(78, 220, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 220, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 220, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 220, 177);  
box-shadow:4px 4px 4px 4px rgb(78, 220,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6709, 55.9804, 50.4675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 220, 177) }
```

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

```
.background{ background-color: rgb(78, 220,  
177) }
```

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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