

Converting Colors

XYZ(35.3136, 50.0507, 47.6045)

Have a look what the booklet for
XYZ(35.3136, 50.0507, 47.6045)
contains.

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Color

**XYZ(35.4202, 50.1417,
47.8559)**

Conversions

Conversions Part 1

Format	Color
Hex	68CEAE
RGB	104, 206, 174
RGB Percent	41%, 81%, 68%
CMY	0.5921, 0.1921, 0.3176
CMYK	0.50, 0.00, 0.16, 0.19
HSL	161°, 51%, 61%
HSV	161°, 50%, 81%
XYZ	35.4202, 50.1417, 47.8559
YIQ	171.8540, -50.5200, -31.5760

Conversions

Conversions Part 2

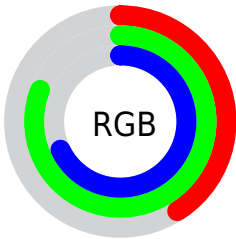
Format	Color
RYB	104, 164, 206
Decimal	6868654
CIELab	76.16, -37.41, 6.83
CIELCh	76, 38.032, 169.658
Yxy	50.1417, 0.2655, 0.3758
Android (android.graphics.Color)	4285058734 (0xFF68CEAE)
YUV	171.8540, 1.0580, -59.5080
Hunter-Lab	70.8108, -34.6316, 9.4977

Details

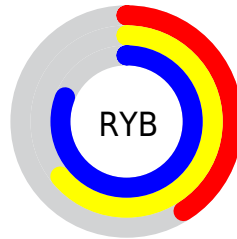
The XYZ color **35.4202, 50.1417, 47.8559** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.8495, 24.8012, 26.2447**, and the grayscale version is **39.1531, 41.1921, 44.8582**.

A 20% lighter version of the original color is **64.6008, 84.7542, 87.0831**, and **15.5757, 24.0519, 22.2339** is the 20% darker color. If you saturate the color by 10%, you get **32.7000, 48.8118, 44.5189**, and if you desaturate by 10%, it is **38.7575, 51.7889, 51.3823**.

Distribution



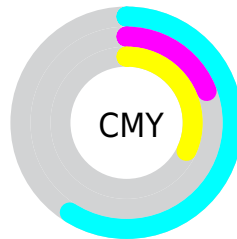
- Red (41%)
- Green (81%)
- Blue (68%)



- Red (41%)
- Yellow (64%)
- Blue (81%)



- Cyan (50%)
- Magenta (0%)
- Yellow (16%)
- Black (19%)





- Cyan (59%)
- Magenta (19%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4202, 50.1417, 47.8559 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 35.4202, 50.1417, 47.8559 by changing the saturation by 10% instead.


 35.4202, 50.1417,
47.8559


 35.4202, 50.1417,
47.8559


317.8948,
387.2198, 394.7129


 24.1548, 35.5260,
33.3536


 67.4660, 90.3848,
88.3531

 15.5738, 24.0683,
22.1241


 88.9770, 116.7810,
115.1851

 9.3120, 15.3843,
13.7490


 114.6339,
147.8728, 146.9641

 5.0040, 9.0896,
7.8095

 144.8022,
184.0446, 184.1087

 2.2844, 4.7996,
3.8873

179.8470,
225.6808, 227.0373

 0.7867, 2.1302,
1.5637

220.1338,

 0.0000, 0.6815,

273.1658, 276.1685

0.2647

266.0280,
326.8840, 331.9208

■ 0.0000, 0.0000,
0.0000

■ 35.4202, 50.1417,
47.8559

■ 35.4202, 50.1417,
47.8559

■ 32.7000, 48.8118,
44.5189

■ 38.7575, 51.7889,
51.3823

■ 30.5491, 47.7705,
41.3636

■ 42.7471, 53.7674,
55.0985

■ 28.9192, 46.9945,
38.3864


■ 47.4264, 56.0980,
59.0096


■ 27.7515, 46.4533,
35.5825


■ 52.8286, 58.7976,
63.1192


■ 26.9436, 46.0944,
32.9447


■ 58.9849, 61.8822,
67.4307

 26.9076, 46.0786,
32.8204

 65.9244, 65.3668,
71.9476

 73.6748, 69.2658,
76.6731

 76.9996, 70.8794,
81.3640

 77.9020, 71.2403,
86.1159

Harmonies

Analogous

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



37.9674, 50.1417, 32.9464



35.4202, 50.1417, 47.8559



35.8945, 50.1417, 68.8748

Triad

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



35.4202, 50.1417, 47.8559



52.4132, 50.1417, 100.4621



57.0803, 50.1417, 29.8346

Complementary

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



35.4202, 50.1417, 47.8559



34.8495, 24.8012, 26.2447

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.



61.7465, 50.1417, 42.4407



35.4202, 50.1417, 47.8559



58.8718, 50.1417, 84.1100

Square

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



35.4202, 50.1417, 47.8559



45.2427, 50.1417, 102.9573



62.4330, 50.1417, 61.9405



50.1581, 50.1417, 24.3972

Rectangle

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



35.4202, 50.1417, 47.8559



37.8772, 50.1417, 83.6328



62.4330, 50.1417, 61.9405



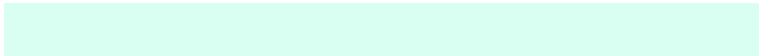
58.9927, 50.1417, 33.2030

Sweetspot

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



35.4216, 50.1437, 47.8571



80.4786, 92.7045, 98.4456



34.7737, 50.4036, 20.9935



16.8355, 19.6477, 20.7698



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.



35.4216, 50.1437, 47.8571



52.8932, 79.0402, 72.0124



34.6851, 43.0692, 64.8800



11.3876, 12.6648, 13.5986



16.6137, 28.3908, 20.4486



0.8904, 1.4780, 1.2303

Inverse Universe

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



34.8495, 24.8012, 26.2447



51.8931, 33.5306, 33.3366



34.9996, 28.2142, 16.6986



11.3549, 11.2707, 12.4035



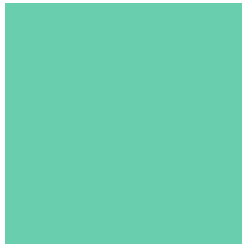
16.2934, 8.3280, 3.9978



0.8749, 0.4434, 0.3873

Previews

White Background



This preview shows how the XYZ color 35.4202, 50.1417, 47.8559 looks on a white background.

Color Contrast Check

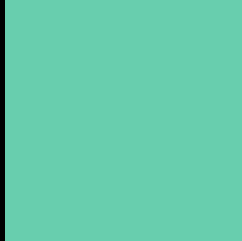
Large Text (above 18pt) WCAG AA × Fail

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 35.4202, 50.1417, 47.8559 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

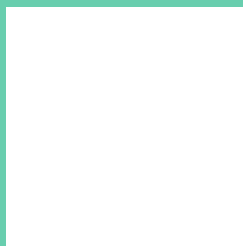
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4202, 50.1417, 47.8559

Background



This preview shows how black text looks on a background with the XYZ color 35.4202, 50.1417, 47.8559.



This preview shows how white text looks on a background with the XYZ color 35.4202, 50.1417,

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

35.4202, 50.1417, 47.8559

Protanopia

46.7654, 49.4002, 42.1924

Deuteranopia

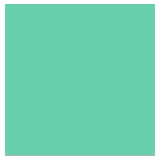
50.1901, 49.1626, 49.4919



Tritanopia

40.2514, 49.9794, 72.4913

Trichromacy



Original Color

35.4202, 50.1417, 47.8559



Protanomaly

41.0381, 48.6485, 44.2729



Deuteranomaly

42.7110, 48.1156, 48.6311



Tritanomaly

38.3452, 49.9029, 62.8695

Monochromacy



Original Color

35.4202, 50.1417, 47.8559



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.7159, 43.5012, 45.9966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4202, 50.1417, 47.8559 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(104, 206, 174)` looks like.

```
.text, #text, p{  
    color:rgb(104, 206, 174)  
}
```

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(104, 206, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 206, 174) }
```

Border

The CSS property to change the border of an element to XYZ 35.4202, 50.1417, 47.8559 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(104, 206, 174) }
```


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

```
.border{ border-color:rgb(104, 206, 174) }
```

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

Here you see how a box with a 4 pixel rgb(104, 206, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 206, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 206, 174);  
box-shadow:4px 4px 4px 4px rgb(104, 206,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4202, 50.1417, 47.8559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 206, 174) }
```

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

```
.background{ background-color: rgb(104,  
206, 174) }
```

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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