

Converting Colors

XYZ(35.5722, 50.4066, 48.4173)

Have a look what the booklet for
XYZ(35.5722, 50.4066, 48.4173)
contains.

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Color

**XYZ(35.6442, 50.6044,
48.4464)**

Conversions

Conversions Part 1

Format	Color
Hex	67CFAF
RGB	103, 207, 175
RGB Percent	40%, 81%, 69%
CMY	0.5961, 0.1882, 0.3137
CMYK	0.50, 0.00, 0.15, 0.19
HSL	162°, 52%, 61%
HSV	162°, 50%, 81%
XYZ	35.6442, 50.6044, 48.4464
YIQ	172.2560, -51.7120, -32.0000

Conversions

Conversions Part 2

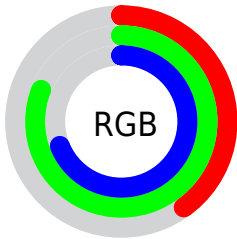
Format	Color
RYB	103, 164, 207
Decimal	6803375
CIELab	76.44, -37.88, 6.69
CIElCh	76, 38.462, 169.980
Yxy	50.6044, 0.2646, 0.3757
Android (android.graphics.Color)	4284993455 (0xFF67CFAF)
YUV	172.2560, 1.3528, -60.7375
Hunter-Lab	71.1368, -35.0491, 9.4174

Details

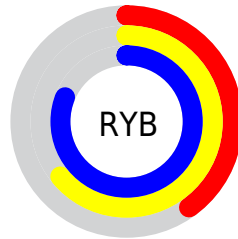
The XYZ color **35.6442, 50.6044, 48.4464** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.9572, 24.7164, 25.8518**, and the grayscale version is **39.3556, 41.4052, 45.0903**.

A 20% lighter version of the original color is **64.6810, 84.7631, 88.5532**, and **15.7178, 24.3580, 22.6120** is the 20% darker color. If you saturate the color by 10%, you get **32.9467, 49.2857, 45.1318**, and if you desaturate by 10%, it is **38.9617, 52.2419, 51.9463**.

Distribution



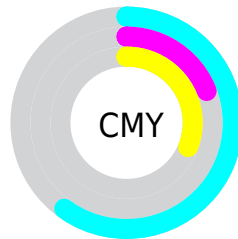
- Red (40%)
- Green (81%)
- Blue (69%)



- Red (40%)
- Yellow (64%)
- Blue (81%)



- Cyan (50%)
- Magenta (0%)
- Yellow (15%)
- Black (19%)





- Cyan (60%)
- Magenta (19%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6442, 50.6044, 48.4464 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 35.6442, 50.6044, 48.4464 by changing the saturation by 10% instead.


 35.6442, 50.6044,
48.4464


 35.6442, 50.6044,
48.4464


318.8612,
389.0248, 397.1185


 24.3284, 35.8939,
33.8180


 67.8100, 91.0697,
89.2411


 15.7034, 24.3522,
22.4776


 89.3907, 117.5933,
116.2446

 9.4041, 15.5951,
14.0066


 115.1237,
148.8234, 148.2101

 5.0649, 9.2381,
7.9865

 145.3744,
185.1444, 185.5563

 2.3205, 4.8968,
3.9986

180.5082,
226.9406, 228.7017

 0.8051, 2.1868,
1.6246

220.8903,

 0.0000, 0.7128,

274.5965, 278.0649

0.3083

266.8862,
328.4964, 334.0643

■ 0.0000, 0.0000,
0.0000

■ 35.6442, 50.6044,
48.4464

■ 35.6442, 50.6044,
48.4464

■ 32.9467, 49.2857,
45.1318

■ 38.9617, 52.2419,
51.9463

■ 30.8204, 48.2568,
41.9948

■ 42.9352, 54.2129,
55.6319

■ 29.2159, 47.4935,
39.0321

■ 47.6025, 56.5380,
59.5082

■ 28.0730, 46.9650,
36.2386

■ 52.9975, 59.2347,
63.5787

■ 27.2949, 46.6199,
33.6685

■ 59.1519, 62.3193,
67.8467

■ 66.0952, 65.8070,
72.3157

■ 73.8556, 69.7123,
76.9888

■ 77.2756, 71.3762,
81.6264

■ 78.1660, 71.7324,
86.3152

Harmonies

Analogous

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



38.2001, 50.6044, 33.2226



35.6442, 50.6044, 48.4464



36.1592, 50.6044, 69.8850

Triad

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



35.6442, 50.6044, 48.4464



53.0161, 50.6044, 101.7350



57.6224, 50.6044, 29.8484

Complementary

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



35.6442, 50.6044, 48.4464



34.9572, 24.7164, 25.8518

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.



62.4118, 50.6044, 42.5621



35.6442, 50.6044, 48.4464



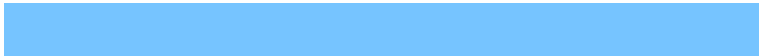
59.5729, 50.6044, 84.9382

Square

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



35.6442, 50.6044, 48.4464



45.7150, 50.6044, 104.4568



63.1594, 50.6044, 62.3356



50.5623, 50.6044, 24.4129

Rectangle

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



35.6442, 50.6044, 48.4464



38.1948, 50.6044, 84.9101



63.1594, 50.6044, 62.3356



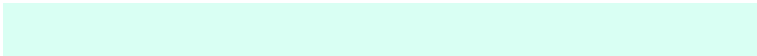
59.5800, 50.6044, 33.2376

Sweetspot

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



35.6456, 50.6064, 48.4476



80.5134, 92.7184, 98.6292



34.9051, 50.8357, 20.8053



16.8439, 19.6510, 20.8143



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.



35.6456, 50.6064, 48.4476



52.6149, 78.8949, 72.0783



34.8265, 43.3284, 65.5616



11.9970, 13.3426, 14.3407



17.2404, 29.3891, 21.4437



0.9986, 1.6571, 1.3813

Inverse Universe

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



34.9572, 24.7164, 25.8518



51.4226, 32.9352, 32.1140



35.1496, 28.1815, 16.4197



11.9564, 11.8673, 13.0462



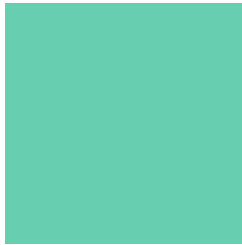
16.8275, 8.6038, 3.9976



0.9763, 0.4952, 0.4100

Previews

White Background



This preview shows how the XYZ color 35.6442, 50.6044, 48.4464 looks on a white background.

Color Contrast Check

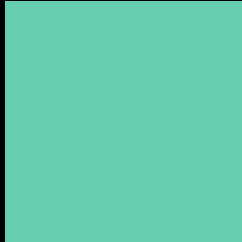
Large Text (above 18pt) WCAG AA × Fail

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 35.6442, 50.6044, 48.4464 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

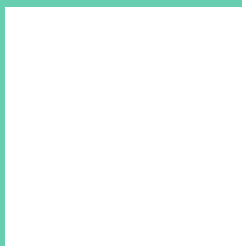
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6442, 50.6044, 48.4464

Background



This preview shows how black text looks on a background with the XYZ color 35.6442, 50.6044, 48.4464.

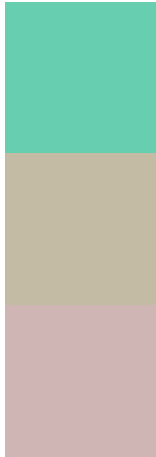


This preview shows how white text looks on a background with the XYZ color 35.6442, 50.6044,

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

35.6442, 50.6044, 48.4464

Protanopia

47.2361, 49.9567, 42.2750

Deuteranopia

50.8768, 49.7938, 50.6457



Tritanopia

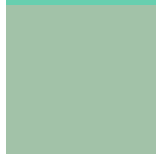
40.6135, 50.4960, 73.2518

Trichromacy



Original Color

35.6442, 50.6044, 48.4464



Protanomaly

41.2600, 49.0921, 44.3469



Deuteranomaly

43.1277, 48.6276, 49.7608



Tritanomaly

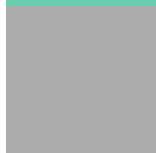
38.5722, 50.3556, 63.5638

Monochromacy



Original Color

35.6442, 50.6044, 48.4464



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.9244, 43.9181, 46.0661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6442, 50.6044, 48.4464 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(103, 207, 175)` looks like.

```
.text, #text, p{  
    color:rgb(103, 207, 175)  
}
```

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(103, 207, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 207, 175) }
```

Border

The CSS property to change the border of an element to XYZ 35.6442, 50.6044, 48.4464 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(103, 207, 175) }
```


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

```
.border{ border-color:rgb(103, 207, 175) }
```

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

Here you see how a box with a 4 pixel rgb(103, 207, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 207, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 207, 175);  
box-shadow:4px 4px 4px 4px rgb(103, 207,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6442, 50.6044, 48.4464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 207, 175) }
```

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

```
.background{ background-color: rgb(103,  
207, 175) }
```

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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