

Converting Colors

XYZ(35.8949, 48.7207, 52.2960)

Have a look what the booklet for
XYZ(35.8949, 48.7207, 52.2960)
contains.

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Color

**XYZ(35.9744, 48.9112,
52.3445)**

Conversions

Conversions Part 1

Format	Color
Hex	6DCAB7
RGB	109, 202, 183
RGB Percent	43%, 79%, 72%
CMY	0.5725, 0.2078, 0.2823
CMYK	0.46, 0.00, 0.09, 0.21
HSL	168°, 47%, 61%
HSV	168°, 46%, 79%
XYZ	35.9744, 48.9112, 52.3445
YIQ	172.0270, -49.3290, -25.6250

Conversions

Conversions Part 2

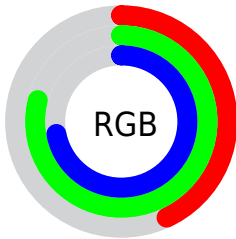
Format	Color
RYB	109, 161, 202
Decimal	7195319
CIELab	75.40, -32.27, 0.90
CIELCh	75, 32.283, 178.395
Yxy	48.9112, 0.2621, 0.3564
Android (android.graphics.Color)	4285385399 (0xFF6DCAB7)
YUV	172.0270, 5.4097, -55.2747
Hunter-Lab	69.9365, -30.5710, 4.5796

Details

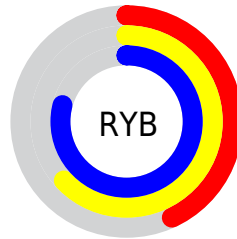
The XYZ color **35.9744, 48.9112, 52.3445** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.7236, 25.0535, 23.4821**, and the grayscale version is **39.2188, 41.2613, 44.9335**.

A 20% lighter version of the original color is **66.8570, 85.7513, 94.6893**, and **15.8282, 23.1830, 24.7596** is the 20% darker color. If you saturate the color by 10%, you get **33.3462, 47.6065, 50.0125**, and if you desaturate by 10%, it is **39.1890, 50.5192, 54.7718**.

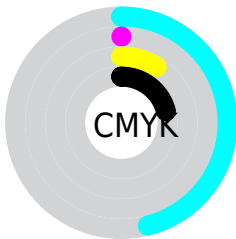
Distribution



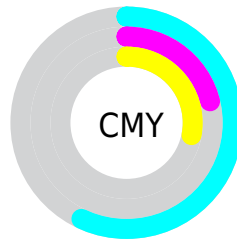
- Red (43%)
- Green (79%)
- Blue (72%)



- Red (43%)
- Yellow (63%)
- Blue (79%)



- Cyan (46%)
- Magenta (0%)
- Yellow (9%)
- Black (21%)



- Cyan (57%)
- Magenta (21%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9744, 48.9112, 52.3445 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 35.9744, 48.9112, 52.3445 by changing the saturation by 10% instead.


 35.9744, 48.9112,
52.3445


 35.9744, 48.9112,
52.3445


320.2818,
382.3926, 412.7599

 24.5844, 34.5490,
36.8956

 68.3167, 88.5596,
95.0709

 15.8948, 23.3157,
24.8315


 89.9997, 114.6145,
123.1854

 9.5401, 14.8268,
15.7337


 115.8445,
145.3359, 156.3589

 5.1550, 8.6979,
9.1836

146.2163,
181.1081, 195.0099

 2.3742, 4.5447,
4.7627

181.4807,
222.3155, 239.5570

 0.8322, 1.9827,
2.0524

222.0028,

 0.0000, 0.5974,

269.3424, 290.4186

0.5872

268.1480,
322.5733, 348.0134

■ 0.0000, 0.0000,
0.0000

■ 35.9744, 48.9112,
52.3445

■ 35.9744, 48.9112,
52.3445

■ 33.3462, 47.6065,
50.0125

■ 39.1890, 50.5192,
54.7718

■ 31.2605, 46.5787,
47.7701

■ 43.0218, 52.4433,
57.2933

■ 29.6738, 45.8068,
45.6157


■ 47.5072, 54.7023,
59.9122


■ 28.5340, 45.2638,
43.5464


■ 52.6760, 57.3120,
62.6305


■ 27.7756, 44.9161,
41.5583


■ 58.5568, 60.2874,
65.4500

 27.5306, 44.8065,
40.7910

 65.1767, 63.6423,
68.3726

 72.5613, 67.3898,
71.3999

 74.7587, 68.4617,
74.2539

 75.2993, 68.6780,
77.1004

Harmonies

Analogous

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



37.4183, 48.9112, 37.8783



35.9744, 48.9112, 52.3445



37.1420, 48.9112, 70.3873

Triad

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



35.9744, 48.9112, 52.3445



52.1382, 48.9112, 87.5509



52.7390, 48.9112, 29.9601

Complementary

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



35.9744, 48.9112, 52.3445



33.7236, 25.0535, 23.4821

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.



57.2848, 48.9112, 39.1576



35.9744, 48.9112, 52.3445



56.9177, 48.9112, 72.3170

Square

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



35.9744, 48.9112, 52.3445



46.1693, 48.9112, 93.1329



58.8746, 48.9112, 54.1780



46.8095, 48.9112, 26.7801

Rectangle

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



35.9744, 48.9112, 52.3445



39.3053, 48.9112, 81.6717



58.8746, 48.9112, 54.1780



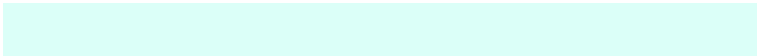
54.4978, 48.9112, 32.3389

Sweetspot

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



35.9758, 48.9131, 52.3456



81.9614, 93.3857, 102.2731



32.9584, 48.0261, 22.0016



17.1568, 19.7935, 21.6786



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.



35.9758, 48.9131, 52.3456



56.5721, 80.6578, 84.7860



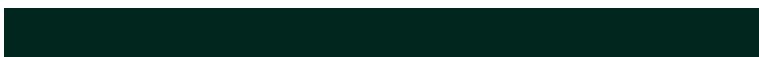
32.4256, 38.4307, 61.5883



11.4412, 12.6862, 13.8809



17.7477, 28.8444, 26.4202



0.9411, 1.4982, 1.4972

Inverse Universe

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



33.7236, 25.0535, 23.4821



52.3310, 35.4600, 30.2345



35.8319, 31.0878, 18.5807



11.3045, 11.2505, 12.1382



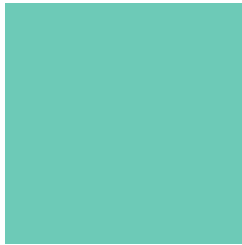
15.9603, 8.1947, 2.2438



0.8514, 0.4340, 0.2633

Previews

White Background



This preview shows how the XYZ color 35.9744, 48.9112, 52.3445 looks on a white background.

Color Contrast Check

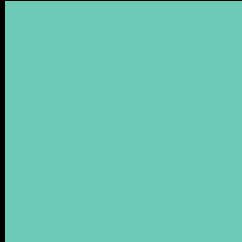
Large Text (above 18pt) WCAG AA × Fail

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 35.9744, 48.9112, 52.3445 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

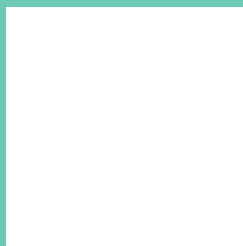
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9744, 48.9112, 52.3445

Background



This preview shows how black text looks on a background with the XYZ color 35.9744, 48.9112, 52.3445.

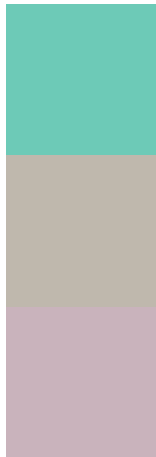


This preview shows how white text looks on a background with the XYZ color 35.9744, 48.9112,

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

35.9744, 48.9112, 52.3445

Protanopia

46.1692, 48.3745, 46.4390

Deuteranopia

49.2846, 48.2885, 54.3000



Tritanopia

39.6755, 49.0438, 70.3261

Trichromacy



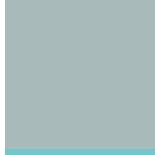
Original Color

35.9744, 48.9112, 52.3445



Protanomaly

41.2646, 48.0130, 48.6875



Deuteranomaly

42.7817, 47.4106, 53.3507



Tritanomaly

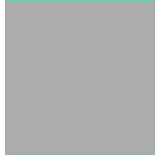
38.1543, 48.7560, 63.2770

Monochromacy



Original Color

35.9744, 48.9112, 52.3445



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.1644, 43.3911, 47.4908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9744, 48.9112, 52.3445 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(109, 202, 183)` looks like.

```
.text, #text, p{  
    color:rgb(109, 202, 183)  
}
```

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(109, 202, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 202, 183) }
```

Border

The CSS property to change the border of an element to XYZ 35.9744, 48.9112, 52.3445 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(109, 202, 183) }
```


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

```
.border{ border-color:rgb(109, 202, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 202, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 202, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 202, 183);  
box-shadow:4px 4px 4px 4px rgb(109, 202,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9744, 48.9112, 52.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 202, 183) }
```

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

```
.background{ background-color: rgb(109,  
202, 183) }
```

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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