

Converting Colors

XYZ(35.6898, 47.0073, 44.1069)

Have a look what the booklet for
XYZ(35.6898, 47.0073, 44.1069)
contains.

XYZ(35.7099, 46.8962, 44.2156)	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(35.7099, 46.8962,
44.2156)**

Conversions

Conversions Part 1

Format	Color
Hex	80C4A8
RGB	128, 196, 168
RGB Percent	50%, 77%, 66%
CMY	0.4980, 0.2314, 0.3412
CMYK	0.35, 0.00, 0.14, 0.23
HSL	155°, 37%, 64%
HSV	155°, 35%, 77%
XYZ	35.7099, 46.8962, 44.2156
YIQ	172.4760, -31.5400, -23.1240

Conversions

Conversions Part 2

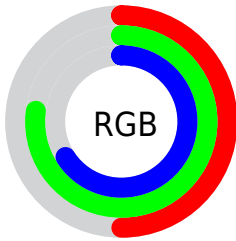
Format	Color
RYB	128, 171, 196
Decimal	8438952
CIELab	74.12, -27.67, 7.28
CIELCh	74, 28.615, 165.260
Yxy	46.8962, 0.2816, 0.3698
Android (android.graphics.Color)	4286629032 (0xFF80C4A8)
YUV	172.4760, -2.2067, -39.0055
Hunter-Lab	68.4808, -26.7610, 9.6551

Details

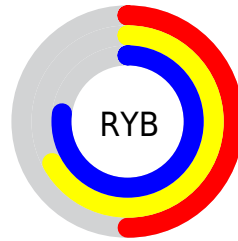
The XYZ color **35.7099, 46.8962, 44.2156** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.4865, 29.5756, 35.2399**, and the grayscale version is **39.4773, 41.5332, 45.2296**.

A 20% lighter version of the original color is **67.9730, 85.6456, 82.7607**, and **15.7270, 22.1028, 19.9604** is the 20% darker color. If you saturate the color by 10%, you get **32.3132, 45.2306, 40.2531**, and if you desaturate by 10%, it is **39.7254, 48.8779, 48.4527**.

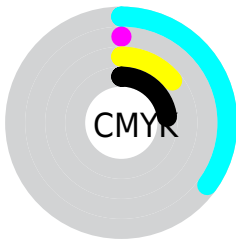
Distribution



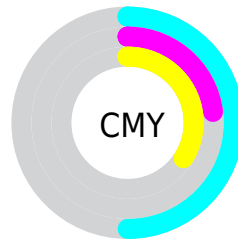
- Red (50%)
- Green (77%)
- Blue (66%)



- Red (50%)
- Yellow (67%)
- Blue (77%)



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (23%)





- Cyan (50%)
- Magenta (23%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7099, 46.8962, 44.2156 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 35.7099, 46.8962, 44.2156 by changing the saturation by 10% instead.


 35.7099, 46.8962,
44.2156


 35.7099, 46.8962,
44.2156


319.1442,
374.4001, 379.6544


 24.3793, 32.9536,
30.5016


 67.9109, 85.5587,
82.8480

 15.7415, 22.0909,
19.9644


 89.5120, 111.0473,
108.6035

 9.4311, 13.9237,
12.1853


 115.2672,
141.1534, 139.2099

 5.0828, 8.0676,
6.7459

145.5421,
176.2614, 175.0857

 2.3312, 4.1383,
3.2277

180.7019,
216.7557, 216.6496

 0.8105, 1.7512,
1.2120

221.1119,

 0.0000, 0.4565,

263.0206, 264.3199

0.0000

267.1375,
315.4406, 318.5154

■ 0.0000, 0.0000,
0.0000

■ 35.7099, 46.8962,
44.2156

■ 35.7099, 46.8962,
44.2156

■ 32.3132, 45.2306,
40.2531

■ 39.7254, 48.8779,
48.4527

■ 29.4975, 43.8580,
36.5562

■ 44.3868, 51.1859,
52.9670

■ 27.2272, 42.7613,
33.1195

■ 49.7244, 53.8368,
57.7650

■ 25.4604, 41.9191,
29.9366

■ 55.7654, 56.8447,
62.8521

■ 24.1492, 41.3068,
27.0003

■ 62.5352, 60.2226,
68.2334

■ 23.2354, 40.8944,
24.3031

■ 70.0583, 63.9830,
73.9140

■ 22.8521, 40.7261,
22.9645

■ 74.5032, 66.1505,
79.7184

■ 75.6275, 66.6002,
85.6388

■ 76.8045, 67.0710,
91.8369

Harmonies

Analogous

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



37.9364, 46.8962, 33.6679



35.7099, 46.8962, 44.2156



35.7299, 46.8962, 58.8528

Triad

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



35.7099, 46.8962, 44.2156



47.2167, 46.8962, 83.3990



51.8726, 46.8962, 33.5308

Complementary

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



35.7099, 46.8962, 44.2156



36.4865, 29.5756, 35.2399

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.



54.7676, 46.8962, 43.9910



35.7099, 46.8962, 44.2156



51.9426, 46.8962, 73.6039

Square

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



35.7099, 46.8962, 44.2156



42.1140, 46.8962, 83.4911



54.7942, 46.8962, 58.5810



47.1268, 46.8962, 28.3505

Rectangle

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



35.7099, 46.8962, 44.2156



37.0045, 46.8962, 69.1403



54.7942, 46.8962, 58.5810



53.1099, 46.8962, 36.4464

Sweetspot

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



35.7112, 46.8981, 44.2167



84.6380, 94.8224, 99.8278



37.4126, 48.1416, 27.7432



17.8251, 20.1515, 21.1036



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.



35.7112, 46.8981, 44.2167



59.6997, 82.5046, 74.3394



37.3531, 45.5481, 59.0497



10.1874, 11.3560, 11.9900



14.7265, 26.1847, 14.9849



0.6699, 1.1448, 0.8244

Inverse Universe

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



36.4865, 29.5756, 35.2399



61.3289, 46.2143, 55.5583



35.1417, 30.2536, 24.4101



10.2413, 10.1451, 11.3613



15.6154, 7.9359, 5.8867



0.7089, 0.3566, 0.4346

Previews

White Background



This preview shows how the XYZ color 35.7099, 46.8962, 44.2156 looks on a white background.

Color Contrast Check

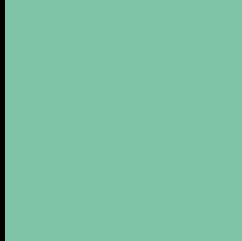
Large Text (above 18pt) WCAG AA × Fail

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 35.7099, 46.8962, 44.2156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

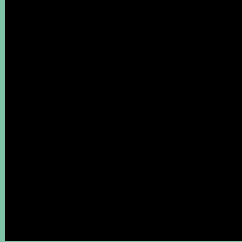
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7099, 46.8962, 44.2156

Background



This preview shows how black text looks on a background with the XYZ color 35.7099, 46.8962, 44.2156.



This preview shows how white text looks on a background with the XYZ color 35.7099, 46.8962,

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

35.7099, 46.8962, 44.2156

Protanopia

44.1042, 46.5330, 39.9149

Deuteranopia

47.1335, 46.1951, 45.4621



Tritanopia

39.9247, 46.9521, 65.3509

Trichromacy



Original Color

35.7099, 46.8962, 44.2156

Protanomaly

40.1061, 45.9776, 41.4111

Deuteranomaly

41.9634, 45.9212, 45.1801

Tritanomaly

38.2573, 46.9322, 56.9116

Monochromacy



Original Color

35.7099, 46.8962, 44.2156

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.5849, 43.0559, 44.8578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7099, 46.8962, 44.2156 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(128, 196, 168)` looks like.

```
.text, #text, p{  
    color:rgb(128, 196, 168)  
}
```

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(128, 196, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 196, 168) }
```

Border

The CSS property to change the border of an element to XYZ 35.7099, 46.8962, 44.2156 is called "border". The border property can be set on classes, ids or directly on the HTML element.

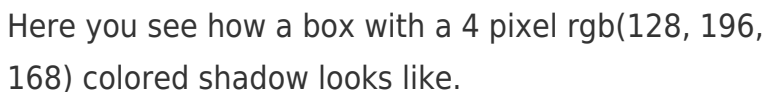
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 196, 168) }
```


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

```
.border{ border-color:rgb(128, 196, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 196, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 196, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 196, 168);  
box-shadow:4px 4px 4px 4px rgb(128, 196,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7099, 46.8962, 44.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 196, 168) }
```

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

```
.background{ background-color: rgb(128,  
196, 168) }
```

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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