

Converting Colors

XYZ(33.6752, 45.1628, 47.2295)

Have a look what the booklet for
XYZ(33.6752, 45.1628, 47.2295)
contains.

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Color

**XYZ(33.6139, 45.0843,
46.9749)**

Conversions

Conversions Part 1

Format	Color
Hex	70C2AE
RGB	112, 194, 174
RGB Percent	44%, 76%, 68%
CMY	0.5608, 0.2392, 0.3176
CMYK	0.42, 0.00, 0.10, 0.24
HSL	165°, 40%, 60%
HSV	165°, 42%, 76%
XYZ	33.6139, 45.0843, 46.9749
YIQ	167.2020, -42.4520, -23.6040

Conversions

Conversions Part 2

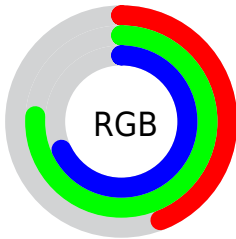
Format	Color
RYB	112, 159, 194
Decimal	7389870
CIELab	72.95, -29.81, 2.23
CIELCh	73, 29.890, 175.714
Yxy	45.0843, 0.2675, 0.3587
Android (android.graphics.Color)	4285579950 (0xFF70C2AE)
YUV	167.2020, 3.3514, -48.4122
Hunter-Lab	67.1448, -28.1432, 5.5218

Details

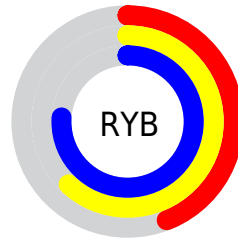
The XYZ color **33.6139, 45.0843, 46.9749** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.2088, 24.7249, 24.9065**, and the grayscale version is **36.8291, 38.7471, 42.1956**.

A 20% lighter version of the original color is **64.5764, 82.8670, 86.7201**, and **14.5783, 21.0312, 21.7034** is the 20% darker color. If you saturate the color by 10%, you get **30.9534, 43.7663, 44.4851**, and if you desaturate by 10%, it is **36.8250, 46.6866, 49.5773**.

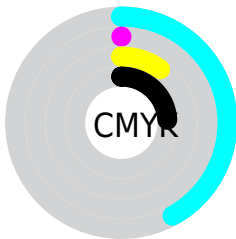
Distribution



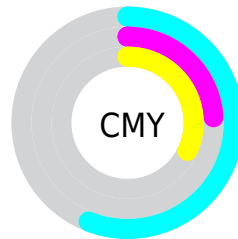
- Red (44%)
- Green (76%)
- Blue (68%)



- Red (44%)
- Yellow (62%)
- Blue (76%)



- Cyan (42%)
- Magenta (0%)
- Yellow (10%)
- Black (24%)



- Cyan (56%)
- Magenta (24%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6139, 45.0843, 46.9749 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 33.6139, 45.0843, 46.9749 by changing the saturation by 10% instead.

■ 33.6139, 45.0843,
46.9749

■ 33.6139, 45.0843,
46.9749

310.0233,
367.1149, 391.1052

■ 22.7586, 31.5238,
32.6616

■ 64.6811, 82.8469,
87.0257

■ 14.5351, 20.9981,
21.5984

■ 85.6237, 107.8178,
113.6004

■ 8.5779, 13.1226,
13.3666

■ 110.6595,
137.3610, 145.0992

■ 4.5218, 7.5130,
7.5478

140.1538,
171.8609, 181.9408

■ 2.0014, 3.7850,
3.7234

174.4720,
211.7018, 224.5436

■ 0.6347, 1.5540,
1.4748

213.9794,

■ 0.0000, 0.3263,

257.2682, 273.3263

0.1991

259.0414,
308.9444, 328.7073

■ 0.0000, 0.0000,
0.0000

■ 33.6139, 45.0843,
46.9749

■ 33.6139, 45.0843,
46.9749

■ 30.9534, 43.7663,
44.4851

■ 36.8250, 46.6866,
49.5773

■ 28.8050, 42.7093,
42.1023

■ 40.6145, 48.5840,
52.2915

■ 27.1314, 41.8951,
39.8248


■ 45.0128, 50.7933,
55.1207


■ 25.8881, 41.3010,
37.6497


■ 50.0470, 53.3285,
58.0671


■ 25.0220, 40.8997,
35.5737


■ 55.7426, 56.2028,
61.1326

 24.5340, 40.6817,
34.0320

 62.1237, 59.4284,
64.3192

 69.2131, 63.0173,
67.6286

 72.3985, 64.5915,
70.8460

 73.0039, 64.8336,
74.0339

Harmonies

Analogous

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



35.0925, 45.0843, 34.6302



33.6139, 45.0843, 46.9749



34.4409, 45.0843, 62.6254

Triad

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



33.6139, 45.0843, 46.9749



47.3484, 45.0843, 79.7568



48.7487, 45.0843, 28.9878

Complementary

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



33.6139, 45.0843, 46.9749



32.2088, 24.7249, 24.9065

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.



52.5302, 45.0843, 37.6591



33.6139, 45.0843, 46.9749



51.6768, 45.0843, 67.0987

Square

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



33.6139, 45.0843, 46.9749



42.1065, 45.0843, 83.6353



53.6426, 45.0843, 51.2659



43.6047, 45.0843, 25.6691

Rectangle

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



33.6139, 45.0843, 46.9749



36.2273, 45.0843, 72.6366



53.6426, 45.0843, 51.2659



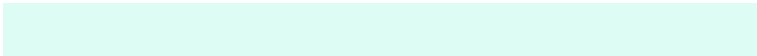
50.2371, 45.0843, 31.2754

Sweetspot

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



33.6152, 45.0861, 46.9759



80.7524, 91.6207, 99.3709



31.8120, 44.7012, 22.2817



17.2750, 19.8584, 21.5056



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.



33.6152, 45.0861, 46.9759



56.2780, 79.3894, 80.7954



31.4608, 37.4207, 56.6057



10.2601, 11.3851, 12.3731



16.1635, 26.7594, 22.5517



0.7242, 1.1665, 1.1103

Inverse Universe

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



32.2088, 24.7249, 24.9065



53.4035, 37.4900, 35.4786



33.4935, 29.2791, 19.2163



10.1717, 10.1173, 10.9947



14.9968, 7.6885, 2.6293



0.6763, 0.3435, 0.2629

Previews

White Background



This preview shows how the XYZ color 33.6139, 45.0843, 46.9749 looks on a white background.

Color Contrast Check

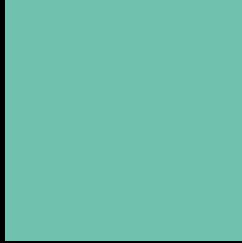
Large Text (above 18pt) WCAG AA × Fail

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 33.6139, 45.0843, 46.9749 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 33.6139, 45.0843, 46.9749

Background



This preview shows how black text looks on a background with the XYZ color 33.6139, 45.0843, 46.9749.

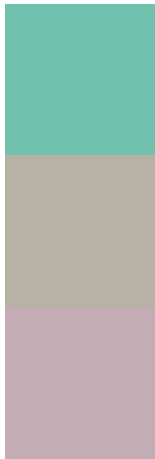


This preview shows how white text looks on a background with the XYZ color 33.6139, 45.0843,

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

33.6139, 45.0843, 46.9749

Protanopia

42.2808, 44.3512, 41.9295

Deuteranopia

45.3949, 44.3618, 48.8179



Tritanopia

37.1786, 45.2278, 64.5279

Trichromacy



Original Color

33.6139, 45.0843, 46.9749

Protanomaly

38.1019, 43.9632, 43.5234

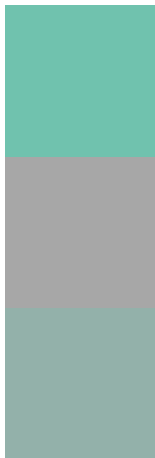
Deuteranomaly

39.7741, 43.8162, 47.9560

Tritanomaly

35.7045, 44.9386, 57.8311

Monochromacy



Original Color

33.6139, 45.0843, 46.9749

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.0105, 40.5496, 44.0118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6139, 45.0843, 46.9749 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(112, 194, 174)` looks like.

```
.text, #text, p{  
    color:rgb(112, 194, 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(112, 194, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 194, 174) }
```

Border

The CSS property to change the border of an element to XYZ 33.6139, 45.0843, 46.9749 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(112, 194, 174) }
```


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

```
.border{ border-color:rgb(112, 194, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 194, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 194, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 194, 174);  
box-shadow:4px 4px 4px 4px rgb(112, 194,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6139, 45.0843, 46.9749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 194, 174) }
```

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

```
.background{ background-color: rgb(112,  
194, 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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