

Converting Colors

XYZ(29.1765, 45.7543, 40.5864)

Have a look what the booklet for
XYZ(29.1765, 45.7543, 40.5864)
contains.

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Color

**XYZ(29.0966, 45.6199,
40.5297)**

Conversions

Conversions Part 1

Format	Color
Hex	38CAA0
RGB	56, 202, 160
RGB Percent	22%, 79%, 63%
CMY	0.7804, 0.2078, 0.3725
CMYK	0.72, 0.00, 0.21, 0.21
HSL	163°, 58%, 51%
HSV	163°, 72%, 79%
XYZ	29.0966, 45.6199, 40.5297
YIQ	153.5580, -73.5340, -44.0140

Conversions

Conversions Part 2

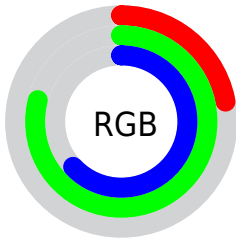
Format	Color
RYB	56, 141, 202
Decimal	3721888
CIELab	73.30, -47.93, 10.09
CIELCh	73, 48.977, 168.107
Yxy	45.6199, 0.2525, 0.3958
Android (android.graphics.Color)	4281911968 (0xFF38CAA0)
YUV	153.5580, 3.1759, -85.5584
Hunter-Lab	67.5425, -41.3035, 11.7021

Details

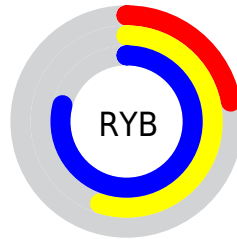
The XYZ color **29.0966, 45.6199, 40.5297** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **27.9775, 16.2679, 13.2226**, and the grayscale version is **30.5326, 32.1226, 34.9815**.

A 20% lighter version of the original color is **56.1941, 80.6373, 76.8928**, and **13.1940, 21.9716, 18.0135** is the 20% darker color. If you saturate the color by 10%, you get **27.6907, 44.9537, 37.8725**, and if you desaturate by 10%, it is **30.9840, 46.5339, 43.3355**.

Distribution



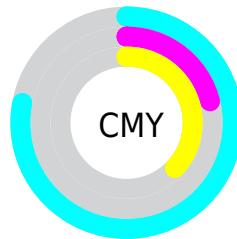
- Red (22%)
- Green (79%)
- Blue (63%)



- Red (22%)
- Yellow (55%)
- Blue (79%)



- Cyan (72%)
- Magenta (0%)
- Yellow (21%)
- Black (21%)





- Cyan (78%)
- Magenta (21%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0966, 45.6199, 40.5297 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 29.0966, 45.6199, 40.5297 by changing the saturation by 10% instead.


 29.0966, 45.6199,
40.5297


 29.0966, 45.6199,
40.5297


289.6565,
369.2784, 363.9694


 19.2986, 31.9460,
27.6349


 57.6270, 83.6499,
77.2153


 11.9915, 21.3202,
17.8140


 77.0901, 108.7747,
101.8432


 6.8100, 13.3583,
10.6484


 100.5056,
138.4853, 131.2192

 3.3889, 7.6757,
5.7198

 128.2389,
173.1660, 165.7618

 1.3626, 3.8882,
2.6094

 160.6552,
213.2013, 205.8896

 0.2293, 1.6112,
0.8973

198.1200,

 0.0000, 0.3651,

258.9755, 252.0211

0.0000

240.9987,
310.8731, 304.5749

■ 0.0000, 0.0000,
0.0000

■ 29.0966, 45.6199,
40.5297

■ 29.0966, 45.6199,
40.5297

■ 27.6907, 44.9537,
37.8725

■ 30.9840, 46.5339,
43.3355

■ 26.7037, 44.4995,
35.3564

■ 33.3985, 47.7157,
46.2907

■ 26.1469, 44.2529,
33.5049

■ 36.3841, 49.1891,
49.3999

■ 39.9793, 50.9739,
52.6666

■ 44.2191, 53.0882,
56.0940

■ 49.1358, 55.5484,
59.6849

■ 54.7595, 58.3702,
63.4425

■ 61.1184, 61.5680,
67.3694

■ 68.2392, 65.1556,
71.4684

Harmonies

Analogous

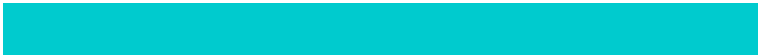
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.1693, 45.6199, 24.2665



29.0966, 45.6199, 40.5297



29.4540, 45.6199, 65.9098

Triad

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



29.0966, 45.6199, 40.5297



48.7108, 45.6199, 109.7246



55.3785, 45.6199, 22.0816

Complementary

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



29.0966, 45.6199, 40.5297



27.9775, 16.2679, 13.2226

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.



61.0721, 45.6199, 36.3480



29.0966, 45.6199, 40.5297



56.8855, 45.6199, 88.5254

Square

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



29.0966, 45.6199, 40.5297



40.0379, 45.6199, 111.9960



61.6575, 45.6199, 60.0958



46.8616, 45.6199, 16.2270

Rectangle

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



29.0966, 45.6199, 40.5297



31.5967, 45.6199, 85.0458



61.6575, 45.6199, 60.0958



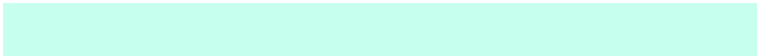
57.7320, 45.6199, 25.7851

Sweetspot

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



29.0979, 45.6217, 40.5308



74.8461, 89.8722, 94.9558



27.0693, 45.2264, 11.0450



15.5740, 19.0136, 19.9772



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.



29.0979, 45.6217, 40.5308



45.8154, 75.6152, 61.5726



27.1983, 34.9173, 61.1854



11.4003, 12.6699, 13.6655



16.8647, 28.4912, 21.7706



0.9018, 1.4825, 1.2905

Inverse Universe

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



27.9775, 16.2679, 13.2226



43.9445, 23.2186, 13.4683



28.3367, 19.3720, 5.9878



11.3428, 11.2659, 12.3400



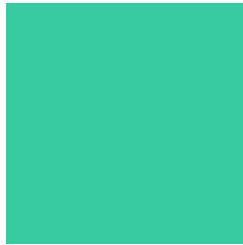
16.2005, 8.2908, 3.5087



0.8690, 0.4410, 0.3561

Previews

White Background



This preview shows how the XYZ color 29.0966, 45.6199, 40.5297 looks on a white background.

Color Contrast Check

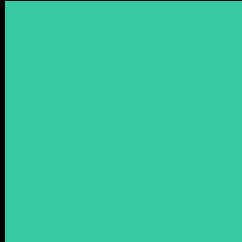
Large Text (above 18pt) WCAG AA × Fail

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 29.0966, 45.6199, 40.5297 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

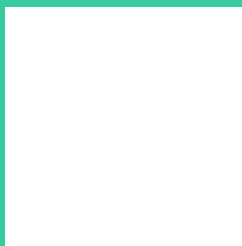
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0966, 45.6199, 40.5297

Background



This preview shows how black text looks on a background with the XYZ color 29.0966, 45.6199, 40.5297.

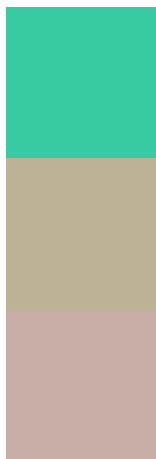


This preview shows how white text looks on a background with the XYZ color 29.0966, 45.6199,

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

29.0966, 45.6199, 40.5297

Protanopia

42.2520, 44.7977, 34.4369

Deuteranopia

45.4549, 44.5376, 42.2773



Tritanopia

34.6663, 45.4827, 68.5799

Trichromacy



Original Color

29.0966, 45.6199, 40.5297



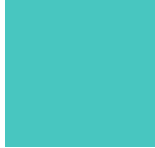
Protanomaly

34.4223, 43.4704, 36.2821



Deuteranomaly

35.8471, 42.8432, 41.5022



Tritanomaly

32.3810, 45.5717, 56.9587

Monochromacy



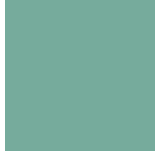
Original Color

29.0966, 45.6199, 40.5297



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.0349, 35.3777, 36.8035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0966, 45.6199, 40.5297 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(56, 202, 160)` looks like.

```
.text, #text, p{  
    color:rgb(56, 202, 160)  
}
```

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(56, 202, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 202, 160) }
```

Border

The CSS property to change the border of an element to XYZ 29.0966, 45.6199, 40.5297 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(56, 202, 160) }
```


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

```
.border{ border-color:rgb(56, 202, 160) }
```

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

Here you see how a box with a 4 pixel rgb(56, 202, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 202, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 202, 160);  
box-shadow:4px 4px 4px 4px rgb(56, 202,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0966, 45.6199, 40.5297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 202, 160) }
```

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

```
.background{ background-color: rgb(56, 202,  
160) }
```

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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