

Converting Colors

XYZ(28.9506, 45.4159, 40.2521)

Have a look what the booklet for
XYZ(28.9506, 45.4159, 40.2521)
contains.

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Color

**XYZ(29.0094, 45.5850,
40.0707)**

Conversions

Conversions Part 1

Format	Color
Hex	38CA9F
RGB	56, 202, 159
RGB Percent	22%, 79%, 62%
CMY	0.7804, 0.2078, 0.3765
CMYK	0.72, 0.00, 0.21, 0.21
HSL	162°, 58%, 51%
HSV	162°, 72%, 79%
XYZ	29.0094, 45.5850, 40.0707
YIQ	153.4440, -73.2130, -44.3250

Conversions

Conversions Part 2

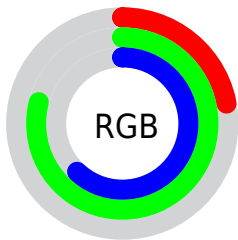
Format	Color
RYB	56, 142, 202
Decimal	3721887
CIELab	73.28, -48.16, 10.60
CIELCh	73, 49.317, 167.589
Yxy	45.5850, 0.2530, 0.3975
Android (android.graphics.Color)	4281911967 (0xFF38CA9F)
YUV	153.4440, 2.7391, -85.4584
Hunter-Lab	67.5167, -41.4594, 12.0734

Details

The XYZ color **29.0094, 45.5850, 40.0707** 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 **28.0249, 16.2869, 13.4727**, and the grayscale version is **30.4844, 32.0720, 34.9264**.

A 20% lighter version of the original color is **56.0660, 80.5860, 76.2180**, and **13.1405, 21.9501, 17.7316** is the 20% darker color. If you saturate the color by 10%, you get **27.5961, 44.9158, 37.3746**, and if you desaturate by 10%, it is **30.9053, 46.5024, 42.9211**.

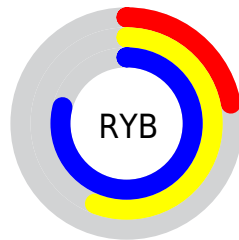
Distribution



Red (22%)

Green (79%)

Blue (62%)



Red (22%)

Yellow (56%)

Blue (79%)

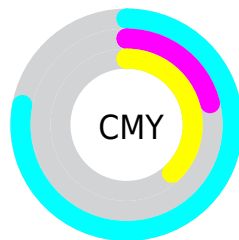


Cyan (72%)

Magenta (0%)

Yellow (21%)

Black (21%)



Cyan (78%)


Magenta (21%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0094, 45.5850, 40.0707 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 29.0094, 45.5850, 40.0707 by changing the saturation by 10% instead.


 29.0094, 45.5850,
40.0707


 29.0094, 45.5850,
40.0707


289.2527,
369.1377, 361.9824


 19.2322, 31.9185,
27.2795

 57.4895, 83.5976,
76.5094


 11.9432, 21.2992,
17.5489


 76.9231, 108.7124,
100.9940


 6.7769, 13.3429,
10.4606


 100.3063,
138.4121, 130.2134

 3.3681, 7.6651,
5.5958

 128.0044,
173.0811, 164.5863

 1.3513, 3.8814,
2.5361

 160.3827,
213.1037, 204.5310

 0.2211, 1.6074,
0.8592

197.8066,

 0.0000, 0.3626,

258.8645, 250.4663

0.0000

240.6415,
310.7476, 302.8106

■ 0.0000, 0.0000,
0.0000

■ 29.0094, 45.5850,
40.0707

■ 29.0094, 45.5850,
40.0707

■ 27.5961, 44.9158,
37.3746

■ 30.9053, 46.5024,
42.9211

■ 26.6028, 44.4591,
34.8252

■ 33.3293, 47.6880,
45.9268

■ 26.0419, 44.2109,
32.9519

■ 36.3256, 49.1657,
49.0924

■ 39.9327, 50.9553,
52.4217

■ 44.1855, 53.0747,
55.9177

■ 49.1165, 55.5407,
59.5838

■ 54.7556, 58.3686,
63.4229

■ 61.1312, 61.5731,
67.4379

■ 68.2700, 65.1678,
71.6316

Harmonies

Analogous

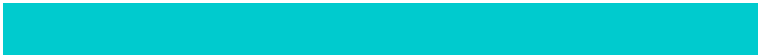
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.1549, 45.5850, 23.9100



29.0094, 45.5850, 40.0707



29.3086, 45.5850, 65.4923

Triad

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



29.0094, 45.5850, 40.0707



48.5587, 45.5850, 110.4163



55.5614, 45.5850, 22.0855

Complementary

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



29.0094, 45.5850, 40.0707



28.0249, 16.2869, 13.4727

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.



61.2258, 45.5850, 36.5681



29.0094, 45.5850, 40.0707



56.8271, 45.5850, 89.2648

Square

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



29.0094, 45.5850, 40.0707



39.8447, 45.5850, 112.3284



61.7176, 45.5850, 60.6100



47.0069, 45.5850, 16.0997

Rectangle

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



29.0094, 45.5850, 40.0707



31.4221, 45.5850, 84.7946



61.7176, 45.5850, 60.6100



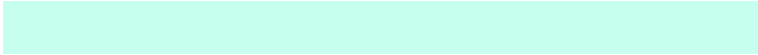
57.9133, 45.5850, 25.8496

Sweetspot

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



29.0107, 45.5868, 40.0718



74.7894, 89.8495, 94.6574



27.0692, 45.2264, 11.0449



15.5605, 19.0082, 19.9063



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.



29.0107, 45.5868, 40.0718



45.6488, 75.5485, 60.6954



27.1982, 34.9173, 61.1854



11.3970, 12.6685, 13.6479



16.7976, 28.4644, 21.4171



0.8988, 1.4813, 1.2745

Inverse Universe

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



28.0249, 16.2869, 13.4727



44.0160, 23.2472, 13.8449



28.3366, 19.3719, 5.9877



11.3460, 11.2671, 12.3567



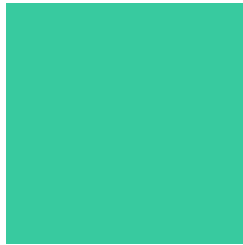
16.2241, 8.3002, 3.6328



0.8705, 0.4416, 0.3641

Previews

White Background



This preview shows how the XYZ color 29.0094, 45.5850, 40.0707 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 29.0094, 45.5850, 40.0707 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

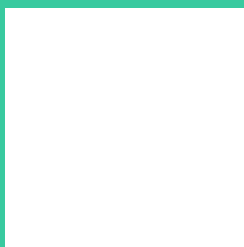
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0094, 45.5850, 40.0707

Background



This preview shows how black text looks on a background with the XYZ color 29.0094, 45.5850, 40.0707.



This preview shows how white text looks on a background with the XYZ color 29.0094, 45.5850,

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

29.0094, 45.5850, 40.0707

Protanopia

42.1731, 44.7662, 34.0217

Deuteranopia

45.4549, 44.5376, 42.2773



Tritanopia

34.6663, 45.4827, 68.5799

Trichromacy



Original Color

29.0094, 45.5850, 40.0707



Protanomaly

34.3407, 43.4377, 35.8525



Deuteranomaly

35.7571, 42.8072, 41.0284



Tritanomaly

32.3810, 45.5717, 56.9587

Monochromacy



Original Color

29.0094, 45.5850, 40.0707



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

27.9505, 35.3439, 36.3593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0094, 45.5850, 40.0707 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(56, 202, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 202, 159) }
```

Border

The CSS property to change the border of an element to XYZ 29.0094, 45.5850, 40.0707 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, 159) }
```


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

```
.border{ border-color:rgb(56, 202, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 202, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 202, 159);  
box-shadow:4px 4px 4px 4px rgb(56, 202,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0094, 45.5850, 40.0707 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, 159) }
```

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

```
.background{ background-color: rgb(56, 202,  
159) }
```

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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