

Converting Colors

XYZ(27.1699, 40.7494, 45.5700)

Have a look what the booklet for
XYZ(27.1699, 40.7494, 45.5700)
contains.

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Color

**XYZ(27.2039, 40.8210,
45.4752)**

Conversions

Conversions Part 1

Format	Color
Hex	2EBFAC
RGB	46, 191, 172
RGB Percent	18%, 75%, 67%
CMY	0.8196, 0.2510, 0.3255
CMYK	0.76, 0.00, 0.10, 0.25
HSL	172°, 61%, 46%
HSV	172°, 76%, 75%
XYZ	27.2039, 40.8210, 45.4752
YIQ	145.4790, -80.3210, -36.6490

Conversions

Conversions Part 2

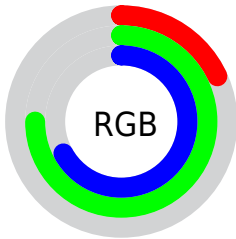
Format	Color
RYB	46, 124, 191
Decimal	3063724
CIELab	70.05, -41.40, -1.14
CIELCh	70, 41.413, 181.571
Yxy	40.8210, 0.2397, 0.3597
Android (android.graphics.Color)	4281253804 (0xFF2EBFAC)
YUV	145.4790, 13.0749, -87.2431
Hunter-Lab	63.8913, -35.8074, 2.5237

Details

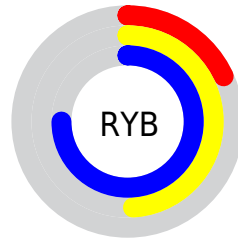
The XYZ color **27.2039, 40.8210, 45.4752** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **23.4183, 13.4132, 6.3572**, and the grayscale version is **27.0819, 28.4923, 31.0281**.

A 20% lighter version of the original color is **54.6350, 76.3939, 84.5390**, and **12.3358, 19.2474, 20.8343** is the 20% darker color. If you saturate the color by 10%, you get **26.2893, 40.3780, 44.1901**, and if you desaturate by 10%, it is **28.5079, 41.4662, 46.8040**.

Distribution



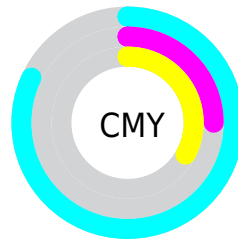
- Red (18%)
- Green (75%)
- Blue (67%)



- Red (18%)
- Yellow (49%)
- Blue (75%)



- Cyan (76%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)





- Cyan (82%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2039, 40.8210, 45.4752 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 27.2039, 40.8210, 45.4752 by changing the saturation by 10% instead.


 27.2039, 40.8210,
45.4752


 27.2039, 40.8210,
45.4752


280.7926,
349.5719, 384.9108


 17.8638, 28.1792,
31.4862


 54.6285, 76.4121,
84.7590


 10.9513, 18.4608,
20.7078


 73.4436, 100.1302,
110.8910


 6.1012, 11.2813,
12.7214


 96.1479, 128.3093,
141.9076

 2.9479, 6.2564,
7.1085

 123.1066,
161.3336, 178.2276

 1.1263, 3.0016,
3.4506

 154.6850,
199.5876, 220.2693

 0.0469, 1.1326,
1.3291

191.2486,

 0.0000, 0.0056,

243.4558, 268.4514

0.0854

233.1627,
293.3224, 323.1924

■ 0.0000, 0.0000,
0.0000

■ 27.2039, 40.8210,
45.4752

■ 27.2039, 40.8210,
45.4752

■ 26.2893, 40.3780,
44.1901

■ 28.5079, 41.4662,
46.8040

■ 25.7038, 40.1031,
42.9429

■ 30.2429, 42.3320,
48.1759

■ 25.5118, 40.0151,
42.4421

■ 32.4490, 43.4402,
49.5937

■ 35.1605, 44.8084,
51.0592

■ 38.4089, 46.4528,
52.5740

■ 42.2227, 48.3882,
54.1394

■ 46.6287, 50.6284,
55.7570

■ 51.6517, 53.1861,
57.4280

■ 57.3154, 56.0735,
59.1536

Harmonies

Analogous

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



28.4557, 40.8210, 28.9781



27.2039, 40.8210, 45.4752



28.7464, 40.8210, 66.9202

Triad

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



27.2039, 40.8210, 45.4752



46.0088, 40.8210, 84.2978



45.3210, 40.8210, 19.0929

Complementary

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



27.2039, 40.8210, 45.4752



23.4183, 13.4132, 6.3572

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.



50.9585, 40.8210, 27.6696



27.2039, 40.8210, 45.4752



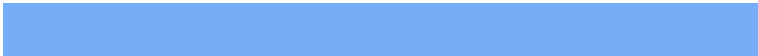
51.3869, 40.8210, 64.6256

Square

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



27.2039, 40.8210, 45.4752



39.1565, 40.8210, 93.0002



53.2943, 40.8210, 43.4347



38.4440, 40.8210, 16.6571

Rectangle

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



27.2039, 40.8210, 45.4752



31.2690, 40.8210, 80.4448



53.2943, 40.8210, 43.4347



47.4504, 40.8210, 21.2009

Sweetspot

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



27.2051, 40.8226, 45.4762



70.4306, 84.0272, 94.8627



21.3274, 38.5957, 8.9113



14.9526, 18.1914, 20.6089



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.2051, 40.8226, 45.4762



46.3401, 71.9636, 77.6763



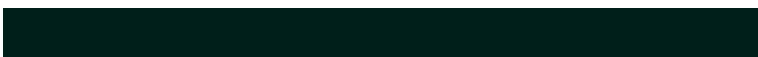
19.5967, 22.4733, 52.5969



9.7533, 10.7874, 11.9504



16.7867, 26.3049, 28.0031



0.6727, 1.0365, 1.1768

Inverse Universe

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



23.4183, 13.4132, 6.3572



39.3877, 20.6675, 5.1337



26.4582, 20.2306, 5.0960



9.5797, 9.5562, 10.1757



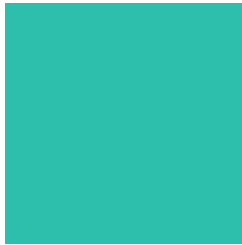
14.2530, 7.3324, 1.3599



0.5751, 0.2939, 0.1416

Previews

White Background



This preview shows how the XYZ color 27.2039, 40.8210, 45.4752 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 27.2039, 40.8210, 45.4752 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

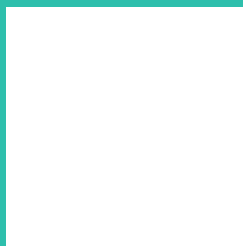
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2039, 40.8210, 45.4752

Background



This preview shows how black text looks on a background with the XYZ color 27.2039, 40.8210, 45.4752.

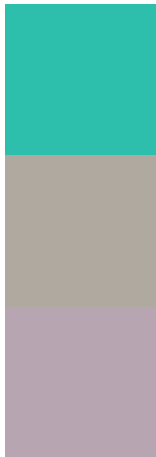


This preview shows how white text looks on a background with the XYZ color 27.2039, 40.8210,

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

27.2039, 40.8210, 45.4752

Protanopia

38.2123, 40.0280, 38.9699

Deuteranopia

41.0195, 40.1919, 47.7153



Tritanopia

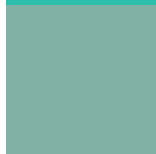
30.6110, 40.9287, 62.1638

Trichromacy



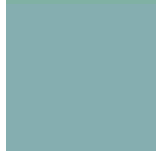
Original Color

27.2039, 40.8210, 45.4752



Protanomaly

31.3251, 38.7138, 40.9435



Deuteranomaly

32.6454, 38.3932, 46.7643



Tritanomaly

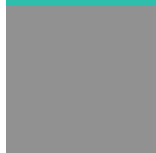
29.1321, 40.6276, 55.5967

Monochromacy



Original Color

27.2039, 40.8210, 45.4752



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.1434, 31.4584, 35.7572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2039, 40.8210, 45.4752 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(46, 191, 172)` looks like.

```
.text, #text, p{  
    color:rgb(46, 191, 172)  
}
```

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(46, 191, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 191, 172) }
```

Border

The CSS property to change the border of an element to XYZ 27.2039, 40.8210, 45.4752 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(46, 191, 172) }
```


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

```
.border{ border-color:rgb(46, 191, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 191, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 191, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 191, 172);  
box-shadow:4px 4px 4px 4px rgb(46, 191,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2039, 40.8210, 45.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 191, 172) }
```

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

```
.background{ background-color: rgb(46, 191,  
172) }
```

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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