

Converting Colors

XYZ(27.6953, 40.7750, 10.6433)

Have a look what the booklet for
XYZ(27.6953, 40.7750, 10.6433)
contains.

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Color

**XYZ(27.7009, 40.8819,
10.7060)**

Conversions

Conversions Part 1

Format	Color
Hex	80BC3C
RGB	128, 188, 60
RGB Percent	50%, 74%, 24%
CMY	0.4980, 0.2627, 0.7647
CMYK	0.32, 0.00, 0.68, 0.26
HSL	88°, 52%, 49%
HSV	88°, 68%, 74%
XYZ	27.7009, 40.8819, 10.7060
YIQ	155.4680, 5.3280, -52.5280

Conversions

Conversions Part 2

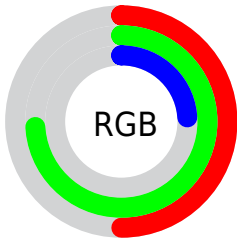
Format	Color
RYB	60, 188, 120
Decimal	8436796
CIELab	70.09, -39.59, 56.13
CIElCh	70, 68.682, 125.197
Yxy	40.8819, 0.3494, 0.5156
Android (android.graphics.Color)	4286626876 (0xFF80BC3C)
YUV	155.4680, -47.0657, -24.0894
Hunter-Lab	63.9390, -34.5599, 34.8297

Details

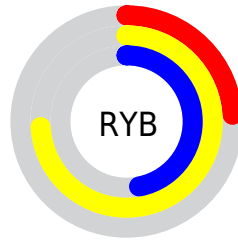
The XYZ color **27.7009, 40.8819, 10.7060** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **18.4406, 10.8569, 48.7030**, and the grayscale version is **31.5651, 33.2090, 36.1645**.

A 20% lighter version of the original color is **55.4568, 76.7101, 27.8032**, and **11.2728, 18.4667, 2.9703** is the 20% darker color. If you saturate the color by 10%, you get **26.0212, 40.0649, 8.4784**, and if you desaturate by 10%, it is **29.6742, 41.8325, 13.8704**.

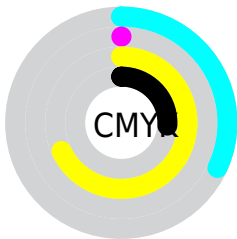
Distribution



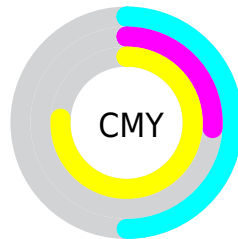
- Red (50%)
- Green (74%)
- Blue (24%)



- Red (24%)
- Yellow (74%)
- Blue (47%)



- Cyan (32%)
- Magenta (0%)
- Yellow (68%)
- Black (26%)





- Cyan (50%)
- Magenta (26%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7009, 40.8819, 10.7060 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 27.7009, 40.8819, 10.7060 by changing the saturation by 10% instead.


 27.7009, 40.8819,
10.7060


 27.7009, 40.8819,
10.7060


283.1410,
349.8268, 206.3038


 18.2396, 28.2268,
5.7578


 55.4185, 76.5046,
27.7435

 11.2229, 18.4967,
2.6320


 74.4056, 100.2410,
40.6699


 6.2854, 11.3072,
0.9089


 97.2987, 128.4399,
57.0928

 3.0617, 6.2738,
0.0000

 124.4631,
161.4858, 77.4308

 1.1865, 3.0123,
0.0000

 156.2641,
199.7630, 102.1023

 0.0956, 1.1382,
0.0000

193.0672,

 0.0000, 0.0103,

243.6560, 131.5260

0.0000

235.2377,
293.5491, 166.1203

■ 0.0000, 0.0000,
0.0000

■ 27.7009, 40.8819,
10.7060

■ 27.7009, 40.8819,
10.7060

■ 26.0212, 40.0649,
8.4784

■ 29.6742, 41.8325,
13.8704

■ 24.6097, 39.3667,
7.0811

■ 31.9579, 42.9194,
18.0577

■ 23.4335, 38.7752,
6.3528

■ 34.5704, 44.1519,
23.3471

■ 23.2253, 38.6702,
6.2400

■ 37.5280, 45.5366,
29.8094

■ 40.8453, 47.0797,
37.5092

■ 44.5362, 48.7872,
46.5069

■ 48.6138, 50.6643,
56.8584

■ 53.0904, 52.7165,
68.6166

■ 57.9778, 54.9486,
81.8317

Harmonies

Analogous

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



36.9355, 40.8819, 6.9781



27.7009, 40.8819, 10.7060



22.3783, 40.8819, 23.2982

Triad

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



27.7009, 40.8819, 10.7060



30.4906, 40.8819, 127.4603



64.5472, 40.8819, 39.1483

Complementary

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



27.7009, 40.8819, 10.7060



18.4406, 10.8569, 48.7030

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.



61.9166, 40.8819, 75.7917



27.7009, 40.8819, 10.7060



40.8441, 40.8819, 138.7603

Square

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



27.7009, 40.8819, 10.7060



23.7584, 40.8819, 90.4705



52.6663, 40.8819, 116.5051



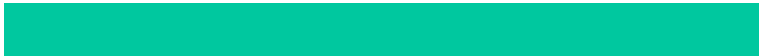
59.2888, 40.8819, 17.5528

Rectangle

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



27.7009, 40.8819, 10.7060



21.0790, 40.8819, 39.5372



52.6663, 40.8819, 116.5051



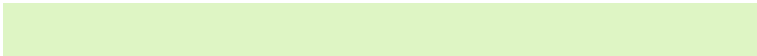
64.5653, 40.8819, 49.8907

Sweetspot

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



27.7019, 40.8837, 10.7069



72.6152, 84.6677, 64.6444



28.2408, 24.3881, 7.4945



15.2467, 18.0360, 13.0392



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.7019, 40.8837, 10.7069



45.7542, 71.9166, 13.8590



20.9319, 37.3936, 10.3901



9.8796, 10.8923, 10.1584



15.8987, 26.3720, 4.2523



0.6977, 1.0716, 0.1701

Inverse Universe

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



18.4406, 10.8569, 48.7030



27.8628, 13.8040, 87.4221



30.3980, 17.0212, 49.2626



9.4303, 9.4387, 11.9970



9.0131, 3.9325, 32.6769



0.4286, 0.1930, 1.2835

Previews

White Background



This preview shows how the XYZ color 27.7009, 40.8819, 10.7060 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 27.7009, 40.8819, 10.7060 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 27.7009, 40.8819, 10.7060

Background



This preview shows how black text looks on a background with the XYZ color 27.7009, 40.8819, 10.7060.



This preview shows how white text looks on a background with the XYZ color 27.7009, 40.8819,

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

27.7009, 40.8819, 10.7060

Protanopia

36.7384, 40.4780, 9.4912

Deuteranopia

41.1459, 40.2674, 11.2340



Tritanopia

36.4967, 40.7881, 54.6645

Trichromacy



Original Color

27.7009, 40.8819, 10.7060

Protanomaly

32.6091, 40.0645, 9.8854

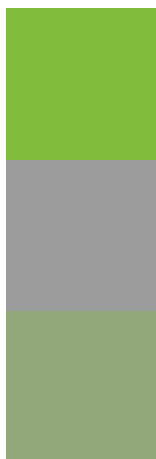
Deuteranomaly

34.6023, 39.3429, 10.9245

Tritanomaly

31.9266, 40.1147, 32.0468

Monochromacy



Original Color

27.7009, 40.8819, 10.7060

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

28.8859, 35.0132, 23.0051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7009, 40.8819, 10.7060 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, 188, 60)` looks like.

```
.text, #text, p{  
    color:rgb(128, 188, 60)  
}
```

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, 188, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 188, 60) }
```

Border

The CSS property to change the border of an element to XYZ 27.7009, 40.8819, 10.7060 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, 188, 60) }
```


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

```
.border{ border-color:rgb(128, 188, 60) }
```

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

Here you see how a box with a 4 pixel rgb(128, 188, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 188, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 188, 60);  
box-shadow:4px 4px 4px 4px rgb(128, 188,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7009, 40.8819, 10.7060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 188, 60) }
```

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

```
.background{ background-color: rgb(128,  
188, 60) }
```

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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