

Converting Colors

XYZ(27.7619, 46.3660, 7.4863)

Have a look what the booklet for
XYZ(27.7619, 46.3660, 7.4863)
contains.

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Color

**XYZ(27.7772, 46.3739,
7.4870)**

Conversions

Conversions Part 1

Format	Color
Hex	6CCC00
RGB	108, 204, 0
RGB Percent	42%, 80%, 0%
CMY	0.5765, 0.2000, 0.9999
CMYK	0.47, 0.00, 1.00, 0.20
HSL	88°, 100%, 40%
HSV	88°, 100%, 80%
XYZ	27.7772, 46.3739, 7.4870
YIQ	152.0400, 8.2680, -83.7960

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 96
Decimal	7130112
CIELab	73.79, -55.21, 72.87
CIELCh	74, 91.421, 127.148
Yxy	46.3739, 0.3402, 0.5680
Android (android.graphics.Color)	4285320192 (0xFF6CCC00)
YUV	152.0400, -74.9557, -38.6231
Hunter-Lab	68.0984, -46.3624, 41.1503

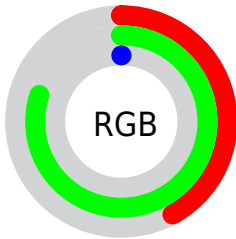
Details

The XYZ color **27.7772, 46.3739, 7.4870** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **15.7265, 6.8486, 57.6224**, and the grayscale version is **30.1756, 31.7471, 34.5726**.

A 20% lighter version of the original color is **53.4314, 80.4540, 20.6957**, and **11.7023, 21.9871, 3.6272** is the 20% darker color. If you saturate the color by 10%, you get **27.7769, 46.3752, 7.4873**, and if you desaturate by 10%, it is **29.1411, 47.0634, 8.2300**.

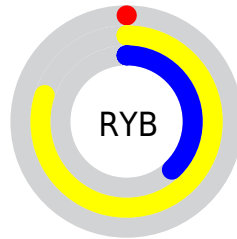
Distribution



Red (42%)

Green (80%)

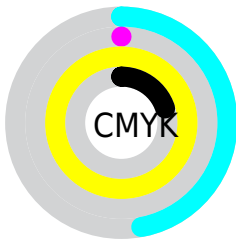
Blue (0%)



Red (0%)

Yellow (80%)

Blue (38%)

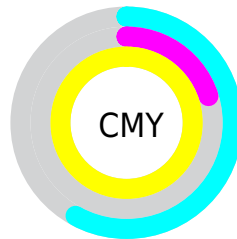


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (58%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7772, 46.3739, 7.4870 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 27.7772, 46.3739, 7.4870 by changing the saturation by 10% instead.

■ 27.7772, 46.3739,
7.4870

■ 27.7772, 46.3739,
7.4870

283.5002,
372.3098, 181.4327

■ 18.2974, 32.5410,
3.6855

■ 55.5397, 84.7783,
21.4758

■ 11.2647, 21.7750,
1.4544

■ 74.5530, 110.1186,
32.5001

■ 6.3138, 13.6917,
0.1836

■ 97.4749, 140.0634,
46.7690

■ 3.0793, 7.9065,
0.0000

■ 124.6707,
174.9972, 64.7012

■ 1.1958, 4.0352,
0.0000

■ 156.5058,
215.3043, 86.7151

■ 0.1031, 1.6933,
0.0000

■ 193.3455,

■ 0.0000, 0.4193,

261.3692, 113.2293

0.0000

235.5552,
313.5762, 144.6623

■ 0.0000, 0.0000,
0.0000

■ 27.7772, 46.3739,
7.4870

■ 27.7772, 46.3739,
7.4870

■ 27.7769, 46.3752,
7.4873

■ 29.1411, 47.0634,
8.2300

■ 30.7736, 47.8742,
9.7004

■ 32.7266, 48.8289,
12.1465

■ 35.0289, 49.9395,
15.7009

■ 37.7050, 51.2162,
20.4751

■ 40.7771, 52.6682,
26.5674

■ 44.2650, 54.3039,
34.0659

■ 48.1871, 56.1311,
43.0510

■ 52.5608, 58.1568,
53.5973

Harmonies

Analogous

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



40.3032, 46.3739, 3.5839



27.7772, 46.3739, 7.4870



21.1040, 46.3739, 23.1113

Triad

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



27.7772, 46.3739, 7.4870



33.0255, 46.3739, 185.9278



82.9016, 46.3739, 40.1595

Complementary

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



27.7772, 46.3739, 7.4870



15.7265, 6.8486, 57.6224

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.



79.5814, 46.3739, 93.8098



27.7772, 46.3739, 7.4870



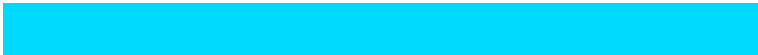
48.0793, 46.3739, 201.4237

Square

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



27.7772, 46.3739, 7.4870



23.5734, 46.3739, 126.0695



65.7582, 46.3739, 160.6265



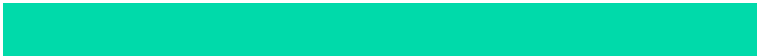
73.9561, 46.3739, 13.4472

Rectangle

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



27.7772, 46.3739, 7.4870



19.6615, 46.3739, 46.1723



65.7582, 46.3739, 160.6265



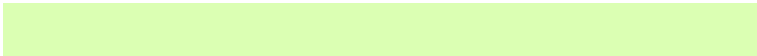
83.2130, 46.3739, 55.0758

Sweetspot

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



27.7783, 46.3759, 7.4880



73.0581, 89.8138, 55.8684



29.0146, 21.0610, 2.5366



15.0935, 18.9692, 10.7690



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.



27.7783, 46.3759, 7.4880



45.7490, 76.6695, 12.3875



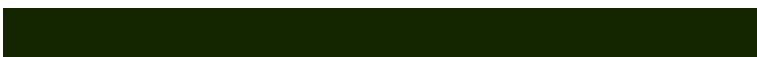
21.6794, 43.2318, 7.2026



11.6254, 12.8243, 11.9420



17.5907, 29.2436, 4.7175



0.9947, 1.5536, 0.2474

Inverse Universe

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



15.7265, 6.8486, 57.6224



25.7980, 11.2143, 95.4126



33.9795, 16.2583, 58.4766



11.0954, 11.0985, 14.1278



10.0028, 4.3642, 36.2714



0.6034, 0.2702, 1.8753

Previews

White Background



This preview shows how the XYZ color 27.7772, 46.3739, 7.4870 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 27.7772, 46.3739, 7.4870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

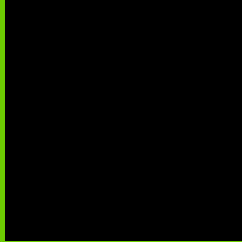
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7772, 46.3739, 7.4870

Background



This preview shows how black text looks on a background with the XYZ color 27.7772, 46.3739, 7.4870.



This preview shows how white text looks on a background with the XYZ color 27.7772, 46.3739,

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

27.7772, 46.3739, 7.4870

Protanopia

41.1525, 45.7443, 6.6606

Deuteranopia

46.6417, 45.6168, 8.4445



Tritanopia

39.2644, 46.3030, 64.6255

Trichromacy



Original Color

27.7772, 46.3739, 7.4870



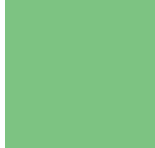
Protanomaly

34.3460, 44.7200, 6.8216



Deuteranomaly

36.8871, 44.1319, 7.5514



Tritanomaly

32.0018, 45.0019, 28.1187

Monochromacy



Original Color

27.7772, 46.3739, 7.4870



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.8739, 35.2231, 16.6916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7772, 46.3739, 7.4870 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(108, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 204, 0)  
}
```

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(108, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.7772, 46.3739, 7.4870 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(108, 204, 0) }
```


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

```
.border{ border-color:rgb(108, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7772, 46.3739, 7.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 204, 0) }
```

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

```
.background{ background-color: rgb(108,  
204, 0) }
```

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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