

Converting Colors

XYZ(27.5685, 46.2663, 7.4773)

Have a look what the booklet for
XYZ(27.5685, 46.2663, 7.4773)
contains.

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Color

**XYZ(27.5367, 46.2499,
7.4758)**

Conversions

Conversions Part 1

Format	Color
Hex	6ACC00
RGB	106, 204, 0
RGB Percent	42%, 80%, 0%
CMY	0.5843, 0.2000, 0.9999
CMYK	0.48, 0.00, 1.00, 0.20
HSL	89°, 100%, 40%
HSV	89°, 100%, 80%
XYZ	27.5367, 46.2499, 7.4758
YIQ	151.4420, 7.0760, -84.2200

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 98
Decimal	6999040
CIELab	73.71, -55.82, 72.77
CIELCh	74, 91.716, 127.491
Yxy	46.2499, 0.3389, 0.5691
Android (android.graphics.Color)	4285189120 (0xFF6ACC00)
YUV	151.4420, -74.6609, -39.8526
Hunter-Lab	68.0073, -46.7366, 41.0876

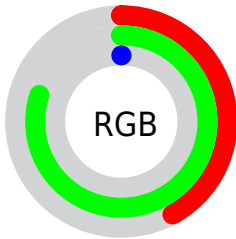
Details

The XYZ color **27.5367, 46.2499, 7.4758** 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 **15.9400, 6.9586, 57.6324**, and the grayscale version is **29.9158, 31.4738, 34.2749**.

A 20% lighter version of the original color is **53.0089, 80.2362, 20.6759**, and **11.5841, 21.9262, 3.6216** is the 20% darker color. If you saturate the color by 10%, you get **27.5362, 46.2511, 7.4761**, and if you desaturate by 10%, it is **28.9000, 46.9391, 8.2188**.

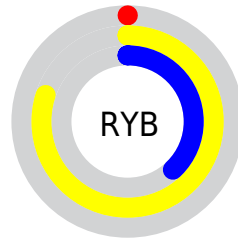
Distribution



Red (42%)

Green (80%)

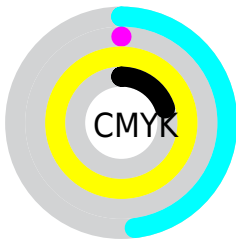
Blue (0%)



Red (0%)

Yellow (80%)

Blue (38%)

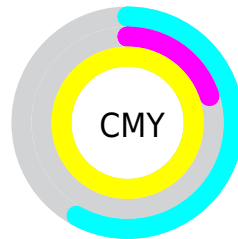


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (58%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5367, 46.2499, 7.4758 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 27.5367, 46.2499, 7.4758 by changing the saturation by 10% instead.

■ 27.5367, 46.2499,
7.4758

■ 27.5367, 46.2499,
7.4758

282.3668,
371.8124, 181.3389

■ 18.1154, 32.4431,
3.6785

■ 55.1577, 84.5929,
21.4531

■ 11.1330, 21.7001,
1.4507

■ 74.0882, 109.8978,
32.4702

■ 6.2243, 13.6367,
0.1808

■ 96.9190, 139.8042,
46.7310

■ 3.0239, 7.8684,
0.0000

■ 124.0156,
174.6965, 64.6540

■ 1.1664, 4.0109,
0.0000

■ 155.7433,
214.9591, 86.6578

■ 0.0796, 1.6797,
0.0000

■ 192.4675,

■ 0.0000, 0.4104,

260.9763, 113.1608

0.0000

234.5536,
313.1326, 144.5817

■ 0.0000, 0.0000,
0.0000

■ 27.5367, 46.2499,
7.4758

■ 27.5367, 46.2499,
7.4758

■ 27.5362, 46.2511,
7.4761

■ 28.9000, 46.9391,
8.2188

■ 30.5367, 47.7521,
9.6895

■ 32.4991, 48.7116,
12.1362

■ 34.8160, 49.8297,
15.6913

■ 37.5125, 51.1169,
20.4666

■ 40.6106, 52.5823,
26.5603

■ 44.1307, 54.2346,
34.0604

■ 48.0913, 56.0816,
43.0475

■ 52.5098, 58.1305,
53.5960

Harmonies

Analogous

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



40.0057, 46.2499, 3.5236



27.5367, 46.2499, 7.4758



20.9311, 46.2499, 23.2591

Triad

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



27.5367, 46.2499, 7.4758



33.0386, 46.2499, 186.7363



82.8382, 46.2499, 39.5582

Complementary

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



27.5367, 46.2499, 7.4758



15.9400, 6.9586, 57.6324

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.



79.6518, 46.2499, 93.0284



27.5367, 46.2499, 7.4758



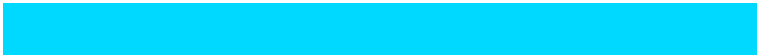
48.1648, 46.2499, 201.6336

Square

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



27.5367, 46.2499, 7.4758



23.5176, 46.2499, 126.9305



65.8787, 46.2499, 160.1290



73.7428, 46.2499, 13.1444

Rectangle

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



27.5367, 46.2499, 7.4758



19.5289, 46.2499, 46.5379



65.8787, 46.2499, 160.1290



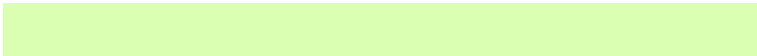
83.2003, 46.2499, 54.3822

Sweetspot

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



27.5378, 46.2519, 7.4768



72.8328, 89.6976, 55.8579



29.0147, 21.0612, 2.5367



15.0402, 18.9417, 10.7665



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.



27.5378, 46.2519, 7.4768



45.3513, 76.4645, 12.3689



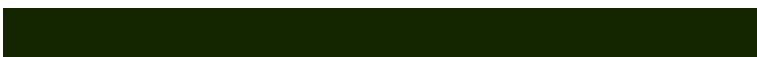
21.6794, 43.2318, 7.2026



11.6148, 12.8188, 11.9415



17.4390, 29.1654, 4.7104



0.9870, 1.5497, 0.2471

Inverse Universe

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



15.9400, 6.9586, 57.6324



26.1496, 11.3955, 95.4291



33.9795, 16.2583, 58.4766



11.1060, 11.1040, 14.1283



10.1377, 4.4337, 36.2777



0.6105, 0.2738, 1.8756

Previews

White Background



This preview shows how the XYZ color 27.5367, 46.2499, 7.4758 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 27.5367, 46.2499, 7.4758 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 27.5367, 46.2499, 7.4758

Background



This preview shows how black text looks on a background with the XYZ color 27.5367, 46.2499, 7.4758.



This preview shows how white text looks on a background with the XYZ color 27.5367, 46.2499,

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
27.5367, 46.2499, 7.4758
Protanopia
40.9499, 45.3390, 6.5930
Deuteranopia
46.6417, 45.6168, 8.4445



Tritanopia

38.9486, 46.1402, 64.6108

Trichromacy



Original Color

27.5367, 46.2499, 7.4758



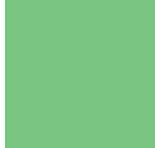
Protanomaly

34.3460, 44.7200, 6.8216



Deuteranomaly

36.6484, 44.0088, 7.5403



Tritanomaly

31.7128, 44.8529, 28.1051

Monochromacy



Original Color

27.5367, 46.2499, 7.4758



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

26.4777, 34.7449, 16.3772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5367, 46.2499, 7.4758 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(106, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.5367, 46.2499, 7.4758 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(106, 204, 0) }
```


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

```
.border{ border-color:rgb(106, 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(106, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5367, 46.2499, 7.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 204, 0) }
```

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

```
.background{ background-color: rgb(106,  
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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