

Converting Colors

XYZ(28.4940, 46.7434, 7.5206)

Have a look what the booklet for
XYZ(28.4940, 46.7434, 7.5206)
contains.

XYZ(28.5323, 46.7631, 7.5224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.5323, 46.7631,
7.5224)**

Conversions

Conversions Part 1

Format	Color
Hex	72CC00
RGB	114, 204, 0
RGB Percent	45%, 80%, 0%
CMY	0.5529, 0.2000, 0.9999
CMYK	0.44, 0.00, 1.00, 0.20
HSL	86°, 100%, 40%
HSV	86°, 100%, 80%
XYZ	28.5323, 46.7631, 7.5224
YIQ	153.8340, 11.8440, -82.5240

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 90
Decimal	7523328
CIELab	74.04, -53.31, 73.17
CIELCh	74, 90.531, 126.074
Yxy	46.7631, 0.3445, 0.5647
Android (android.graphics.Color)	4285713408 (0xFF72CC00)
YUV	153.8340, -75.8402, -34.9344
Hunter-Lab	68.3836, -45.1940, 41.3464

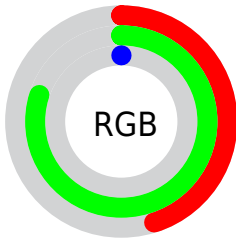
Details

The XYZ color **28.5323, 46.7631, 7.5224** 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 **15.1191, 6.5355, 57.5939**, and the grayscale version is **30.9633, 32.5758, 35.4750**.

A 20% lighter version of the original color is **54.5166, 81.0134, 20.7465**, and **12.1127, 22.1987, 3.6464** is the 20% darker color. If you saturate the color by 10%, you get **28.5318, 46.7643, 7.5226**, and if you desaturate by 10%, it is **29.8925, 47.4508, 8.2653**.

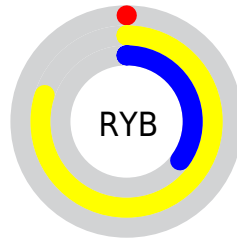
Distribution



Red (45%)

Green (80%)

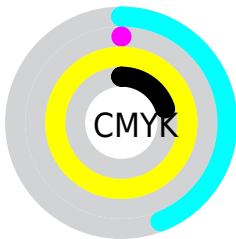
Blue (0%)



Red (0%)

Yellow (80%)

Blue (35%)

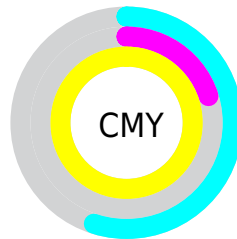


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (55%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5323, 46.7631, 7.5224 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 28.5323, 46.7631, 7.5224 by changing the saturation by 10% instead.


 28.5323, 46.7631,
7.5224


 28.5323, 46.7631,
7.5224


287.0359,
373.8681, 181.7289


 18.8698, 32.8484,
3.7075

 56.7359, 85.3599,
21.5472

 11.6797, 22.0103,
1.4663


 76.0077, 110.8108,
32.5942

 6.5966, 13.8645,
0.1926


 99.2133, 140.8759,
46.8890

 3.2552, 8.0265,
0.0000

 126.7181,
175.9396, 64.8501

 1.2901, 4.1119,
0.0000

 158.8874,
216.3863, 86.8962

 0.1758, 1.7364,
0.0000

 196.0865,

 0.0000, 0.4470,

262.6003, 113.4456

0.0000

238.6810,
314.9661, 144.9170

■ 0.0000, 0.0000,
0.0000

■ 28.5323, 46.7631,
7.5224

■ 28.5323, 46.7631,
7.5224

■ 28.5318, 46.7643,
7.5226

■ 29.8925, 47.4508,
8.2653

■ 31.5072, 48.2523,
9.7349

■ 33.4275, 49.1901,
12.1797

■ 35.6814, 50.2758,
15.7319

■ 38.2930, 51.5192,
20.5033

■ 41.2836, 52.9292,
26.5920

■ 44.6726, 54.5140,
34.0860

■ 48.4778, 56.2808,
43.0658

■ 52.7158, 58.2367,
53.6059

Harmonies

Analogous

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



41.2363, 46.7631, 3.7750



28.5323, 46.7631, 7.5224



21.6468, 46.7631, 22.6607

Triad

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



28.5323, 46.7631, 7.5224



32.9881, 46.7631, 183.4603



83.1058, 46.7631, 42.0610

Complementary

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



28.5323, 46.7631, 7.5224



15.1191, 6.5355, 57.5939

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.



79.3716, 46.7631, 96.2624



28.5323, 46.7631, 7.5224



47.8200, 46.7631, 200.7946

Square

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



28.5323, 46.7631, 7.5224



23.7487, 46.7631, 123.4438



65.3929, 46.7631, 162.1868



74.6251, 46.7631, 14.4141

Rectangle

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



28.5323, 46.7631, 7.5224



20.0770, 46.7631, 45.0581



65.3929, 46.7631, 162.1868



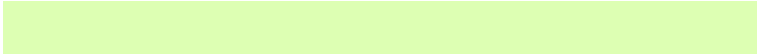
83.2602, 46.7631, 57.2631

Sweetspot

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



28.5334, 46.7651, 7.5234



73.7396, 90.1651, 55.9003



28.4271, 19.8859, 2.3408



15.2551, 19.0525, 10.7765



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.



28.5334, 46.7651, 7.5234



46.9984, 77.3136, 12.4459



21.7693, 43.2781, 7.2069



11.6575, 12.8409, 11.9436



18.0660, 29.4887, 4.7397



1.0183, 1.5658, 0.2486

Inverse Universe

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



15.1191, 6.5355, 57.5939



24.7981, 10.6987, 95.3658



32.2365, 15.3598, 58.3950



11.0637, 11.0821, 14.1263



9.6180, 4.1658, 36.2534



0.5829, 0.2596, 1.8743

Previews

White Background



This preview shows how the XYZ color 28.5323, 46.7631, 7.5224 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 28.5323, 46.7631, 7.5224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

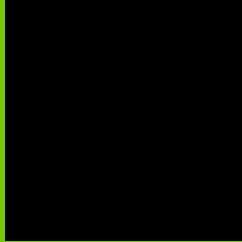
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.5323, 46.7631, 7.5224

Background



This preview shows how black text looks on a background with the XYZ color 28.5323, 46.7631, 7.5224.



This preview shows how white text looks on a background with the XYZ color 28.5323, 46.7631,

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

28.5323, 46.7631, 7.5224

Protanopia

41.4257, 45.8851, 6.6733

Deuteranopia

47.1477, 46.1591, 8.5225



Tritanopia

40.0804, 46.7237, 64.6637

Trichromacy



Original Color

28.5323, 46.7631, 7.5224

Protanomaly

34.9922, 45.0531, 6.8518

Deuteranomaly

37.8205, 44.9204, 7.6544

Tritanomaly

32.7503, 45.3877, 28.1537

Monochromacy



Original Color

28.5323, 46.7631, 7.5224

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

27.6046, 35.8759, 17.0251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5323, 46.7631, 7.5224 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(114, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.5323, 46.7631, 7.5224 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(114, 204, 0) }
```


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

```
.border{ border-color:rgb(114, 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(114, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(114, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5323, 46.7631, 7.5224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 204, 0) }
```

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

```
.background{ background-color: rgb(114,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor