

Converting Colors

XYZ(27.0724, 46.0105, 7.4541)

Have a look what the booklet for
XYZ(27.0724, 46.0105, 7.4541)
contains.

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Color

**XYZ(27.0724, 46.0105,
7.4541)**

Conversions

Conversions Part 1

Format	Color
Hex	66CC00
RGB	102, 204, 0
RGB Percent	40%, 80%, 0%
CMY	0.6000, 0.2000, 0.9999
CMYK	0.50, 0.00, 1.00, 0.20
HSL	90°, 100%, 40%
HSV	90°, 100%, 80%
XYZ	27.0724, 46.0105, 7.4541
YIQ	150.2460, 4.6920, -85.0680

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 102
Decimal	6736896
CIELab	73.55, -57.02, 72.58
CIELCh	74, 92.305, 128.154
Yxy	46.0105, 0.3361, 0.5713
Android (android.graphics.Color)	4284926976 (0xFF66CC00)
YUV	150.2460, -74.0713, -42.3117
Hunter-Lab	67.8310, -47.4623, 40.9662

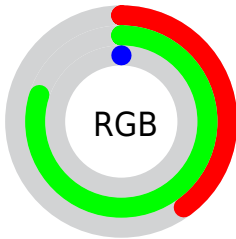
Details

The XYZ color **27.0724, 46.0105, 7.4541** 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 **16.3827, 7.1869, 57.6530**, and the grayscale version is **29.4001, 30.9312, 33.6841**.

A 20% lighter version of the original color is **52.1833, 79.8106, 20.6373**, and **11.3125, 21.7862, 3.6089** is the 20% darker color. If you saturate the color by 10%, you get **27.0719, 46.0117, 7.4543**, and if you desaturate by 10%, it is **28.4317, 46.6977, 8.1969**.

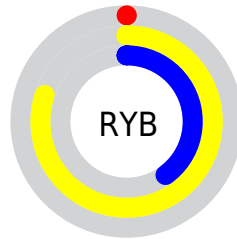
Distribution



Red (40%)

Green (80%)

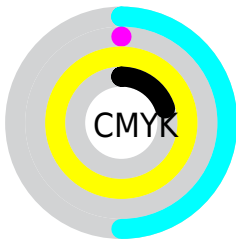
Blue (0%)



Red (0%)

Yellow (80%)

Blue (40%)

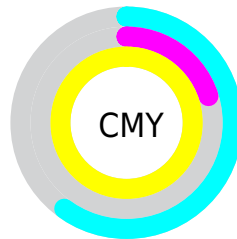


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (60%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0724, 46.0105, 7.4541 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 27.0724, 46.0105, 7.4541 by changing the saturation by 10% instead.

■ 27.0724, 46.0105,
7.4541

■ 27.0724, 46.0105,
7.4541

280.1687,
370.8509, 181.1570

■ 17.7645, 32.2541,
3.6650

■ 54.4191, 84.2347,
21.4093

■ 10.8797, 21.5557,
1.4434

■ 73.1886, 109.4713,
32.4125

■ 6.0527, 13.5308,
0.1752

■ 95.8426, 139.3035,
46.6573

■ 2.9181, 7.7950,
0.0000

■ 122.7466,
174.1155, 64.5625

■ 1.1106, 3.9641,
0.0000

■ 154.2658,
214.2919, 86.5465

■ 0.0340, 1.6535,
0.0000

■ 190.7656,

■ 0.0000, 0.3933,

260.2170, 113.0279

0.0000

232.6115,
312.2752, 144.4252

■ 0.0000, 0.0000,
0.0000

■ 27.0724, 46.0105,
7.4541

■ 27.0724, 46.0105,
7.4541

■ 27.0719, 46.0117,
7.4543

■ 28.4317, 46.6977,
8.1969

■ 30.0743, 47.5136,
9.6679

■ 32.0529, 48.4815,
12.1155

■ 34.3969, 49.6136,
15.6719

■ 37.1319, 50.9206,
20.4491

■ 40.2806, 52.4121,
26.5452

■ 43.8635, 54.0969,
34.0483

■ 47.8999, 55.9829,
43.0390

■ 52.4074, 58.0777,
53.5918

Harmonies

Analogous

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



39.4310, 46.0105, 3.4079



27.0724, 46.0105, 7.4541



20.5970, 46.0105, 23.5500

Triad

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



27.0724, 46.0105, 7.4541



33.0655, 46.0105, 188.3306



82.7184, 46.0105, 38.4037

Complementary

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



27.0724, 46.0105, 7.4541



16.3827, 7.1869, 57.6530

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.



79.7930, 46.0105, 91.5204



27.0724, 46.0105, 7.4541



48.3341, 46.0105, 202.0543

Square

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



27.0724, 46.0105, 7.4541



23.4098, 46.0105, 128.6284



66.1172, 46.0105, 159.1692



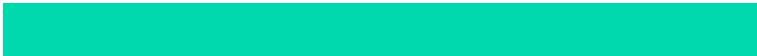
73.3313, 46.0105, 12.5670

Rectangle

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



27.0724, 46.0105, 7.4541



19.2725, 46.0105, 47.2590



66.1172, 46.0105, 159.1692



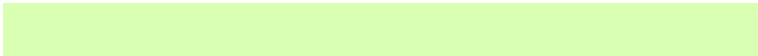
83.1795, 46.0105, 53.0477

Sweetspot

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



27.0735, 46.0125, 7.4551



72.3856, 89.4671, 55.8369



29.6559, 22.3436, 2.7504



14.9345, 18.8872, 10.7615



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.



27.0735, 46.0125, 7.4551



44.5843, 76.0691, 12.3330



21.5943, 43.1879, 7.1987



11.5934, 12.8078, 11.9406



17.1460, 29.0144, 4.6967



0.9721, 1.5419, 0.2464

Inverse Universe

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



16.3827, 7.1869, 57.6530



26.8798, 11.7719, 95.4632



35.8028, 17.1983, 58.5618



11.1273, 11.1149, 14.1293



10.4173, 4.5779, 36.2908



0.6250, 0.2813, 1.8763

Previews

White Background



This preview shows how the XYZ color 27.0724, 46.0105, 7.4541 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 27.0724, 46.0105, 7.4541 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 27.0724, 46.0105, 7.4541

Background



This preview shows how black text looks on a background with the XYZ color 27.0724, 46.0105, 7.4541.



This preview shows how white text looks on a background with the XYZ color 27.0724, 46.0105,

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

27.0724, 46.0105, 7.4541

Protanopia

40.9499, 45.3390, 6.5930

Deuteranopia

46.1567, 45.0854, 8.4601



Tritanopia

38.4862, 45.9018, 64.5891

Trichromacy



Original Color

27.0724, 46.0105, 7.4541



Protanomaly

33.9235, 44.5022, 6.8018



Deuteranomaly

35.9818, 43.3588, 7.5095



Tritanomaly

31.1521, 44.5639, 28.0789

Monochromacy



Original Color

27.0724, 46.0105, 7.4541



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.1131, 34.5622, 16.1213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0724, 46.0105, 7.4541 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(102, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.0724, 46.0105, 7.4541 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(102, 204, 0) }
```


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

```
.border{ border-color:rgb(102, 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(102, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0724, 46.0105, 7.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 204, 0) }
```

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

```
.background{ background-color: rgb(102,  
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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