

Converting Colors

XYZ(29.1145, 47.0633, 7.5496)

Have a look what the booklet for
XYZ(29.1145, 47.0633, 7.5496)
contains.

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Color

**XYZ(29.0641, 47.0373,
7.5473)**

Conversions

Conversions Part 1

Format	Color
Hex	76CC00
RGB	118, 204, 0
RGB Percent	46%, 80%, 0%
CMY	0.5373, 0.2000, 0.9999
CMYK	0.42, 0.00, 1.00, 0.20
HSL	85°, 100%, 40%
HSV	85°, 100%, 80%
XYZ	29.0641, 47.0373, 7.5473
YIQ	155.0300, 14.2280, -81.6760

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 86
Decimal	7785472
CIELab	74.21, -52.00, 73.38
CIELCh	74, 89.939, 125.320
Yxy	47.0373, 0.3475, 0.5623
Android (android.graphics.Color)	4285975552 (0xFF76CC00)
YUV	155.0300, -76.4298, -32.4753
Hunter-Lab	68.5837, -44.3777, 41.4841

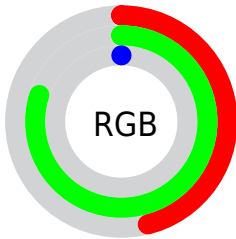
Details

The XYZ color **29.0641, 47.0373, 7.5473** 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 **14.7403, 6.3402, 57.5763**, and the grayscale version is **31.4949, 33.1351, 36.0841**.

A 20% lighter version of the original color is **55.4145, 81.4763, 20.7885**, and **12.3783, 22.3356, 3.6588** is the 20% darker color. If you saturate the color by 10%, you get **29.0636, 47.0386, 7.5475**, and if you desaturate by 10%, it is **30.4171, 47.7213, 8.2898**.

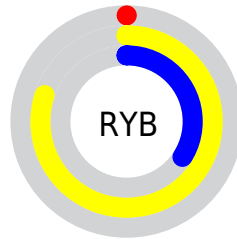
Distribution



Red (46%)

Green (80%)

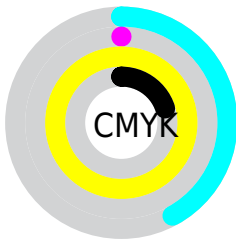
Blue (0%)



Red (0%)

Yellow (80%)

Blue (34%)

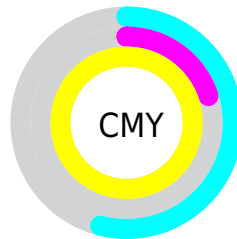


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (54%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0641, 47.0373, 7.5473 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 29.0641, 47.0373, 7.5473 by changing the saturation by 10% instead.


 29.0641, 47.0373,
7.5473


 29.0641, 47.0373,
7.5473


289.5060,
374.9634, 181.9368


 19.2738, 33.0651,
3.7231


 57.5758, 85.7693,
21.5974


 11.9735, 22.1764,
1.4747


 77.0279, 111.2979,
32.6603


 6.7977, 13.9865,
0.1990


 100.4313,
141.4475, 46.9733

 3.3811, 8.1113,
0.0000

 128.1515,
176.6024, 64.9548

 1.3584, 4.1663,
0.0000

 160.5537,
217.1471, 87.0233

 0.2263, 1.7670,
0.0000

 198.0032,

 0.0000, 0.4665,

263.4659, 113.5975

0.0000

240.8656,
315.9432, 145.0958

■ 0.0000, 0.0000,
0.0000

■ 29.0641, 47.0373,
7.5473

■ 29.0641, 47.0373,
7.5473

■ 29.0636, 47.0386,
7.5475

■ 30.4171, 47.7213,
8.2898

■ 32.0154, 48.5144,
9.7587

■ 33.9097, 49.4388,
12.2023

■ 36.1277, 50.5059,
15.7528

■ 38.6929, 51.7254,
20.5221

■ 41.6264, 53.1060,
26.6081

■ 44.9472, 54.6556,
34.0989

■ 48.6727, 56.3814,
43.0751

■ 52.8194, 58.2901,
53.6109

Harmonies

Analogous

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



41.8927, 47.0373, 3.9110



29.0641, 47.0373, 7.5473



22.0288, 47.0373, 22.3545

Triad

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



29.0641, 47.0373, 7.5473



32.9650, 47.0373, 181.7874



83.2550, 47.0373, 43.4124

Complementary

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



29.0641, 47.0373, 7.5473



14.7403, 6.3402, 57.5763

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.



79.2345, 47.0373, 97.9905



29.0641, 47.0373, 7.5473



47.6457, 47.0373, 200.3815

Square

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



29.0641, 47.0373, 7.5473



23.8721, 47.0373, 121.6637



65.1474, 47.0373, 163.2868



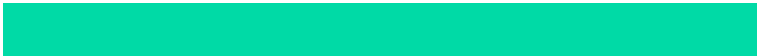
75.0967, 47.0373, 15.1092

Rectangle

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



29.0641, 47.0373, 7.5473



20.3690, 47.0373, 44.3030



65.1474, 47.0373, 163.2868



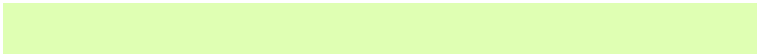
83.3007, 47.0373, 58.8124

Sweetspot

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



29.0652, 47.0393, 7.5483



74.1991, 90.4020, 55.9218



28.1529, 19.3376, 2.2494



15.3642, 19.1087, 10.7816



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.



29.0652, 47.0393, 7.5483



47.8795, 77.7678, 12.4872



21.8256, 43.3072, 7.2095



11.6790, 12.8519, 11.9446



18.4004, 29.6611, 4.7554



1.0347, 1.5742, 0.2493

Inverse Universe

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



14.7403, 6.3402, 57.5763



24.1757, 10.3779, 95.3367



31.3949, 14.9259, 58.3557



11.0426, 11.0713, 14.1253



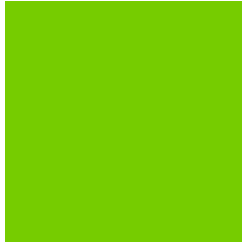
9.3776, 4.0419, 36.2422



0.5698, 0.2528, 1.8737

Previews

White Background



This preview shows how the XYZ color 29.0641, 47.0373, 7.5473 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 29.0641, 47.0373, 7.5473 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 29.0641, 47.0373, 7.5473

Background



This preview shows how black text looks on a background with the XYZ color 29.0641, 47.0373, 7.5473.



This preview shows how white text looks on a background with the XYZ color 29.0641, 47.0373,

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

29.0641, 47.0373, 7.5473

Protanopia

41.9048, 46.4350, 6.7542

Deuteranopia

47.1477, 46.1591, 8.5225



Tritanopia

40.5882, 46.9855, 64.6875

Trichromacy



Original Color

29.0641, 47.0373, 7.5473

Protanomaly

35.6470, 45.7111, 6.9443

Deuteranomaly

38.0660, 45.0469, 7.6659

Tritanomaly

33.2172, 45.6285, 28.1755

Monochromacy



Original Color

29.0641, 47.0373, 7.5473

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

28.3510, 36.5388, 17.3628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0641, 47.0373, 7.5473 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(118, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.0641, 47.0373, 7.5473 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(118, 204, 0) }
```


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

```
.border{ border-color:rgb(118, 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(118, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0641, 47.0373, 7.5473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 204, 0) }
```

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

```
.background{ background-color: rgb(118,  
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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