

Converting Colors

XYZ(29.6785, 47.3541, 7.5773)

Have a look what the booklet for
XYZ(29.6785, 47.3541, 7.5773)
contains.

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Color

**XYZ(29.6189, 47.3233,
7.5732)**

Conversions

Conversions Part 1

Format	Color
Hex	7ACC00
RGB	122, 204, 0
RGB Percent	48%, 80%, 0%
CMY	0.5216, 0.2000, 0.9999
CMYK	0.40, 0.00, 1.00, 0.20
HSL	84°, 100%, 40%
HSV	84°, 100%, 80%
XYZ	29.6189, 47.3233, 7.5732
YIQ	156.2260, 16.6120, -80.8280

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 82
Decimal	8047616
CIELab	74.40, -50.65, 73.61
CIELCh	74, 89.351, 124.535
Yxy	47.3233, 0.3505, 0.5599
Android (android.graphics.Color)	4286237696 (0xFF7ACC00)
YUV	156.2260, -77.0194, -30.0162
Hunter-Lab	68.7919, -43.5313, 41.6272

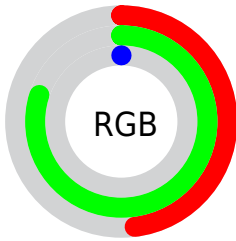
Details

The XYZ color **29.6189, 47.3233, 7.5732** 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 **14.3819, 6.1554, 57.5595**, and the grayscale version is **32.0316, 33.6998, 36.6990**.

A 20% lighter version of the original color is **56.3774, 81.9683, 21.0337**, and **12.6719, 22.4870, 3.6725** is the 20% darker color. If you saturate the color by 10%, you get **29.6186, 47.3246, 7.5735**, and if you desaturate by 10%, it is **30.9607, 48.0015, 8.3152**.

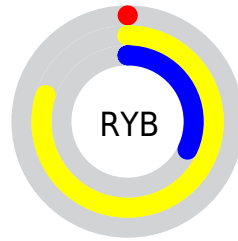
Distribution



Red (48%)

Green (80%)

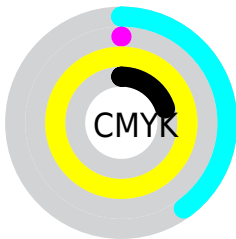
Blue (0%)



Red (0%)

Yellow (80%)

Blue (32%)

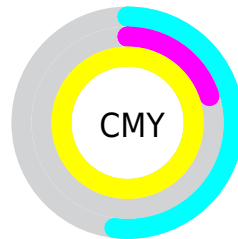


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (52%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6189, 47.3233, 7.5732 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 29.6189, 47.3233, 7.5732 by changing the saturation by 10% instead.


 29.6189, 47.3233,
7.5732


 29.6189, 47.3233,
7.5732


292.0658,
376.1035, 182.1528


 19.6961, 33.2913,
3.7393

 58.4497, 86.1960,
21.6496

 12.2813, 22.3497,
1.4834


 78.0885, 111.8055,
32.7291


 7.0091, 14.1141,
0.2055


 101.6967,
142.0430, 47.0609

 3.5142, 8.2001,
0.0000

 129.6396,
177.2928, 65.0635

 1.4312, 4.2232,
0.0000

 162.2826,
217.9394, 87.1554

 0.2783, 1.7992,
0.0000

 199.9911,

 0.0000, 0.4867,

264.3671, 113.7553

0.0000

243.1304,
316.9603, 145.2815

■ 0.0000, 0.0000,
0.0000

■ 29.6189, 47.3233,
7.5732

■ 29.6189, 47.3233,
7.5732

■ 29.6186, 47.3246,
7.5735

■ 30.9607, 48.0015,
8.3152

■ 32.5390, 48.7843,
9.7830

■ 34.4039, 49.6936,
12.2251

■ 36.5828, 50.7406,
15.7737

■ 39.0990, 51.9348,
20.5405

■ 41.9731, 53.2848,
26.6236

■ 45.2238, 54.7982,
34.1110

■ 48.8683, 56.4822,
43.0832

■ 52.9226, 58.3434,
53.6146

Harmonies

Analogous

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



42.5769, 47.3233, 4.0541



29.6189, 47.3233, 7.5732



22.4270, 47.3233, 22.0444

Triad

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



29.6189, 47.3233, 7.5732



32.9435, 47.3233, 180.0954



83.4149, 47.3233, 44.8329

Complementary

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



29.6189, 47.3233, 7.5732



14.3819, 6.1554, 57.5595

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.



79.0999, 47.3233, 99.7940



29.6189, 47.3233, 7.5732



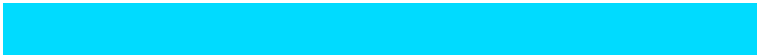
47.4706, 47.3233, 199.9749

Square

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



29.6189, 47.3233, 7.5732



24.0008, 47.3233, 119.8634



64.9009, 47.3233, 164.4350



75.5887, 47.3233, 15.8467

Rectangle

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



29.6189, 47.3233, 7.5732



20.6730, 47.3233, 43.5394



64.9009, 47.3233, 164.4350



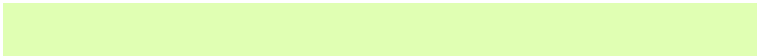
83.3488, 47.3233, 60.4363

Sweetspot

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



29.6200, 47.3254, 7.5742



74.6628, 90.6410, 55.9435



27.8915, 18.8148, 2.1622



15.4744, 19.1656, 10.7868



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.



29.6200, 47.3254, 7.5742



48.7998, 78.2423, 12.5303



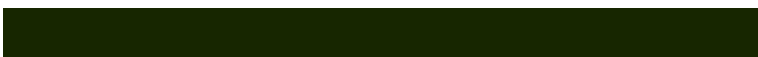
21.8911, 43.3410, 7.2125



11.7006, 12.8630, 11.9456



18.7490, 29.8408, 4.7717



1.0516, 1.5829, 0.2501

Inverse Universe

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



14.3819, 6.1554, 57.5595



23.5881, 10.0750, 95.3092



30.5728, 14.5021, 58.3173



11.0215, 11.0604, 14.1243



9.1498, 3.9244, 36.2315



0.5571, 0.2463, 1.8731

Previews

White Background



This preview shows how the XYZ color 29.6189, 47.3233, 7.5732 looks on a white background.

Color Contrast Check

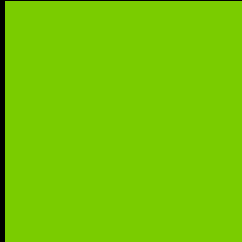
Large Text (above 18pt) WCAG AA × Fail

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 29.6189, 47.3233, 7.5732 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 29.6189, 47.3233, 7.5732

Background



This preview shows how black text looks on a background with the XYZ color 29.6189, 47.3233, 7.5732.



This preview shows how white text looks on a background with the XYZ color 29.6189, 47.3233,

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

29.6189, 47.3233, 7.5732

Protanopia

41.9048, 46.4350, 6.7542

Deuteranopia

47.6397, 46.6984, 8.5103



Tritanopia

41.1100, 47.2544, 64.7119

Trichromacy



Original Color

29.6189, 47.3233, 7.5732

Protanomaly

36.0927, 45.9409, 6.9652

Deuteranomaly

38.5512, 45.2983, 7.6313

Tritanomaly

33.8609, 45.9603, 28.2057

Monochromacy



Original Color

29.6189, 47.3233, 7.5732

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

28.6973, 36.7173, 17.3790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6189, 47.3233, 7.5732 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(122, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 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(122, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.6189, 47.3233, 7.5732 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(122, 204, 0) }
```


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

```
.border{ border-color:rgb(122, 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(122, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(122, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6189, 47.3233, 7.5732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 204, 0) }
```

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

```
.background{ background-color: rgb(122,  
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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