

Converting Colors

XYZ(30.1001, 47.5578, 8.2749)

Have a look what the booklet for
XYZ(30.1001, 47.5578, 8.2749)
contains.

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Color

**XYZ(30.0313, 47.5213,
8.2515)**

Conversions

Conversions Part 1

Format	Color
Hex	7CCC14
RGB	124, 204, 20
RGB Percent	49%, 80%, 8%
CMY	0.5137, 0.2000, 0.9215
CMYK	0.39, 0.00, 0.90, 0.20
HSL	86°, 82%, 44%
HSV	86°, 90%, 80%
XYZ	30.0313, 47.5213, 8.2515
YIQ	159.1040, 11.3840, -74.1840

Conversions

Conversions Part 2

Format	Color
R_YB	20, 204, 100
Decimal	8178708
CIE Lab	74.52, -49.63, 71.44
CIE LCh	75, 86.985, 124.789
Yxy	47.5213, 0.3500, 0.5538
Android (android.graphics.Color)	4286368788 (0xFF7CCC14)
YUV	159.1040, -68.5783, -30.7862
Hunter-Lab	68.9357, -42.8753, 41.1581

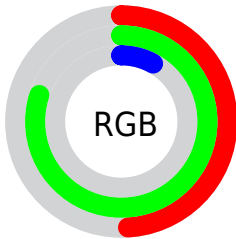
Details

The XYZ color **30.0313, 47.5213, 8.2515** 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 **16.4076, 7.5710, 57.7260**, and the grayscale version is **33.3045, 35.0389, 38.1574**.

A 20% lighter version of the original color is **57.0916, 82.3085, 22.3293**, and **12.8618, 22.5849, 3.6814** is the 20% darker color. If you saturate the color by 10%, you get **28.7032, 46.8528, 7.5307**, and if you desaturate by 10%, it is **31.6364, 48.3198, 9.7039**.

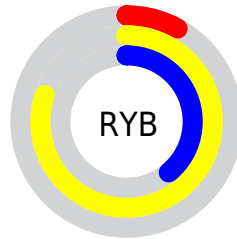
Distribution



Red (49%)

Green (80%)

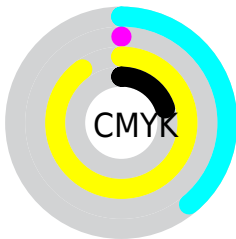
Blue (8%)



Red (8%)

Yellow (80%)

Blue (39%)

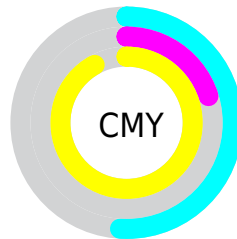


Cyan (39%)

Magenta (0%)

Yellow (90%)

Black (20%)



Cyan (51%)


Magenta (20%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0313, 47.5213, 8.2515 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 30.0313, 47.5213, 8.2515 by changing the saturation by 10% instead.


 30.0313, 47.5213,
8.2515


 30.0313, 47.5213,
8.2515


293.9575,
376.8915, 187.6992


 20.0105, 33.4480,
4.1662


 59.0980, 86.4912,
23.0043


 12.5110, 22.4698,
1.7170


 78.8746, 112.1566,
34.5089


 7.1674, 14.2025,
0.3723


 102.6338,
142.4548, 49.3236

 3.6143, 8.2617,
0.0000

 130.7411,
177.7702, 67.8671

 1.4863, 4.2628,
0.0000

 163.5618,
218.4871, 90.5579

 0.3165, 1.8216,
0.0000

 201.4612,

 0.0000, 0.5006,

264.9901, 117.8145

0.0000

244.8046,
317.6634, 150.0554

■ 0.0000, 0.0000,
0.0000

■ 30.0313, 47.5213,
8.2515

■ 30.0313, 47.5213,
8.2515

■ 28.7032, 46.8528,
7.5307

■ 31.6364, 48.3198,
9.7039

■ 33.5422, 49.2506,
12.1272

■ 35.7777, 50.3273,
15.6554

■ 38.3671, 51.5598,
20.4006

■ 41.3315, 52.9570,
26.4609

■ 44.6902, 54.5267,
33.9248

■ 48.4611, 56.2765,
42.8727

■ 52.6605, 58.2132,
53.3793

■ 57.3041, 60.3433,
65.5139

Harmonies

Analogous

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



42.6920, 47.5213, 4.5477



30.0313, 47.5213, 8.2515



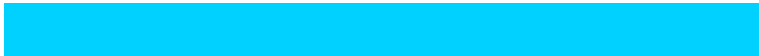
22.9787, 47.5213, 22.9481

Triad

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



30.0313, 47.5213, 8.2515



33.4837, 47.5213, 176.1194



82.4530, 47.5213, 44.8501

Complementary

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



30.0313, 47.5213, 8.2515



16.4076, 7.5710, 57.7260

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.



78.3816, 47.5213, 98.0332



30.0313, 47.5213, 8.2515



47.7370, 47.5213, 194.7000

Square

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



30.0313, 47.5213, 8.2515



24.6239, 47.5213, 118.4648



64.6885, 47.5213, 160.2749



74.7955, 47.5213, 16.4139

Rectangle

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



30.0313, 47.5213, 8.2515



21.2688, 47.5213, 44.2767



64.6885, 47.5213, 160.2749



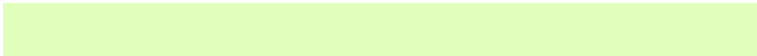
82.4241, 47.5213, 60.0039

Sweetspot

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



30.0324, 47.5234, 8.2525



75.7095, 91.0891, 60.1297



29.5620, 21.9537, 3.3419



15.7626, 19.2910, 11.8455



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.



30.0324, 47.5234, 8.2525



47.2822, 77.4599, 12.4592



22.3247, 43.5499, 7.8918



11.6646, 12.8445, 11.9439



18.1738, 29.5443, 4.7448



1.0236, 1.5685, 0.2488

Inverse Universe

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



16.4076, 7.5710, 57.7260



24.5907, 10.5919, 95.3561



32.8220, 16.0330, 58.4942



11.0568, 11.0786, 14.1260



9.5380, 4.1245, 36.2497



0.5785, 0.2574, 1.8741

Previews

White Background



This preview shows how the XYZ color 30.0313, 47.5213, 8.2515 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 30.0313, 47.5213, 8.2515 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 30.0313, 47.5213, 8.2515

Background



This preview shows how black text looks on a background with the XYZ color 30.0313, 47.5213, 8.2515.



This preview shows how white text looks on a background with the XYZ color 30.0313, 47.5213,

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

30.0313, 47.5213, 8.2515

Protanopia

42.4364, 47.0085, 7.0954

Deuteranopia

47.7113, 46.7270, 8.8874



Tritanopia

41.4655, 47.4377, 64.7285

Trichromacy



Original Color

30.0313, 47.5213, 8.2515

Protanomaly

36.6079, 46.5208, 7.4307

Deuteranomaly

38.9297, 45.4787, 8.3166

Tritanomaly

34.7500, 46.3542, 31.1605

Monochromacy



Original Color

30.0313, 47.5213, 8.2515

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

29.8908, 37.8536, 19.9184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0313, 47.5213, 8.2515 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(124, 204, 20)` looks like.

```
.text, #text, p{  
    color:rgb(124, 204, 20)  
}
```

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(124, 204, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 204, 20) }
```

Border

The CSS property to change the border of an element to XYZ 30.0313, 47.5213, 8.2515 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(124, 204, 20) }
```


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

```
.border{ border-color:rgb(124, 204, 20) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(124, 204, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 204, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 204, 20);  
box-shadow:4px 4px 4px 4px rgb(124, 204,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0313, 47.5213, 8.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 204, 20) }
```

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

```
.background{ background-color: rgb(124,  
204, 20) }
```

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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