

Converting Colors

XYZ(30.6025, 46.6674, 7.3948)

Have a look what the booklet for
XYZ(30.6025, 46.6674, 7.3948)
contains.

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Color

**XYZ(30.7182, 46.8416,
7.4223)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 86C900 |
| RGB | 134, 201, 0 |
| RGB Percent | 53%, 79%, 0% |
| CMY | 0.4745, 0.2117, 0.9999 |
| CMYK | 0.33, 0.00, 1.00, 0.21 |
| HSL | 80°, 100%, 39% |
| HSV | 80°, 100%, 79% |
| XYZ | 30.7182, 46.8416, 7.4223 |
| YIQ | 158.0530, 24.5890, -76.7150 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 201, 67 |
| Decimal | 8833280 |
| CIELab | 74.09, -45.18, 73.62 |
| CIELCh | 74, 86.384, 121.538 |
| Yxy | 46.8416, 0.3615, 0.5512 |
| Android (android.graphics.Color) | 4287023360 (0xFF86C900) |
| YUV | 158.0530, -77.9201, -21.0945 |
| Hunter-Lab | 68.4409, -39.6558, 41.4787 |

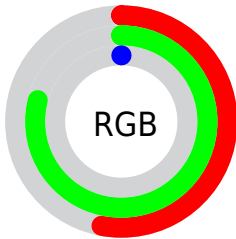
Details

The XYZ color **30.7182, 46.8416, 7.4223** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **12.8600, 5.4120, 55.6278**, and the grayscale version is **32.8606, 34.5719, 37.6488**.

A 20% lighter version of the original color is **59.0212, 83.3357, 20.9573**, and **13.2594, 22.0943, 3.5658** is the 20% darker color. If you saturate the color by 10%, you get **30.7179, 46.8430, 7.4226**, and if you desaturate by 10%, it is **31.9488, 47.4628, 8.1449**.

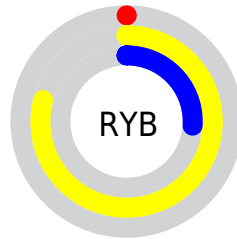
Distribution



Red (53%)

Green (79%)

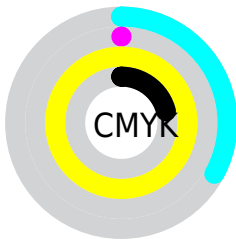
Blue (0%)



Red (0%)

Yellow (79%)

Blue (26%)

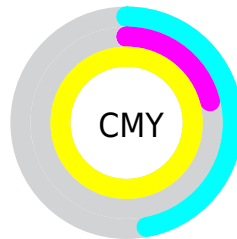


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (47%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7182, 46.8416, 7.4223 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 30.7182, 46.8416, 7.4223 by changing the saturation by 10% instead.


 30.7182, 46.8416,
7.4223


 30.7182, 46.8416,
7.4223


297.0881,
374.1819, 180.8899

 20.5351, 32.9105,
3.6452


 60.1750, 85.4771,
21.3450

 12.8951, 22.0579,
1.4328


 80.1794, 110.9503,
32.3277


 7.4329, 13.8994,
0.1671


 104.1884,
141.0396, 46.5493

 3.7830, 8.0507,
0.0000

 132.5672,
176.1294, 64.4283

 1.5801, 4.1274,
0.0000

 165.6812,
216.6042, 86.3834

 0.3794, 1.7451,
0.0000

 203.8958,

 0.0000, 0.4526,

262.8483, 112.8329

0.0000

247.5763,
315.2460, 144.1956

■ 0.0000, 0.0000,
0.0000

■ 30.7182, 46.8416,
7.4223

■ 30.7182, 46.8416,
7.4223

■ 30.7179, 46.8430,
7.4226

■ 31.9488, 47.4628,
8.1449

■ 33.3794, 48.1703,
9.5660

■ 35.0580, 48.9852,
11.9273

■ 37.0100, 49.9176,
15.3563

■ 39.2568, 50.9763,
19.9606

■ 41.8176, 52.1691,
25.8345

■ 44.7095, 53.5029,
33.0631

■ 47.9483, 54.9842,
41.7237

■ 51.5486, 56.6190,
51.8882

Harmonies

Analogous

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



43.7289, 46.8416, 4.4657



30.7182, 46.8416, 7.4223



23.1757, 46.8416, 20.2473

Triad

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



30.7182, 46.8416, 7.4223



31.8093, 46.8416, 168.3505



81.3184, 46.8416, 48.7528

Complementary

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



30.7182, 46.8416, 7.4223



12.8600, 5.4120, 55.6278

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.



76.0847, 46.8416, 103.2557



30.7182, 46.8416, 7.4223



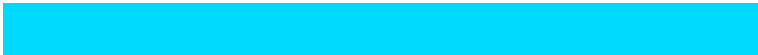
45.3237, 46.8416, 192.1228

Square

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



30.7182, 46.8416, 7.4223



23.6955, 46.8416, 109.7161



61.9417, 46.8416, 163.3383



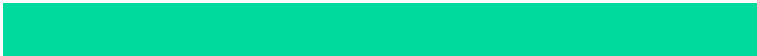
74.9506, 46.8416, 18.1850

Rectangle

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



30.7182, 46.8416, 7.4223



21.1247, 46.8416, 39.4771



61.9417, 46.8416, 163.3383



80.8520, 46.8416, 64.5777

Sweetspot

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



30.7193, 46.8437, 7.4233



76.3178, 91.4942, 56.0209



26.0968, 16.4344, 1.7974



15.8692, 19.3691, 10.8053



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.



30.7193, 46.8437, 7.4233



52.3347, 80.0646, 12.6957



21.5317, 42.1073, 6.9933



11.1671, 12.2331, 11.3354



19.4138, 29.5035, 4.6715



0.9937, 1.4354, 0.2247

Inverse Universe

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



12.8600, 5.4120, 55.6278



21.7975, 9.1519, 95.2254



26.5871, 12.4886, 56.2702



10.3843, 10.4564, 13.3885



8.1721, 3.4471, 34.9790



0.4641, 0.2030, 1.6599

Previews

White Background



This preview shows how the XYZ color 30.7182, 46.8416, 7.4223 looks on a white background.

Color Contrast Check

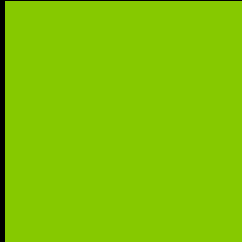
Large Text (above 18pt) WCAG AA × Fail

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 30.7182, 46.8416, 7.4223 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 30.7182, 46.8416, 7.4223

Background



This preview shows how black text looks on a background with the XYZ color 30.7182, 46.8416, 7.4223.



This preview shows how white text looks on a background with the XYZ color 30.7182, 46.8416,

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

30.7182, 46.8416, 7.4223

Protanopia

41.9048, 46.4350, 6.7542

Deuteranopia

47.1136, 46.1455, 8.3433



Tritanopia

41.7574, 46.6749, 62.6854

Trichromacy



Original Color

30.7182, 46.8416, 7.4223

Protanomaly

36.7880, 45.9789, 6.9359

Deuteranomaly

39.3571, 45.4065, 7.6097

Tritanomaly

34.8447, 45.4873, 27.7123

Monochromacy



Original Color

30.7182, 46.8416, 7.4223

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

29.8794, 37.6013, 17.9949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7182, 46.8416, 7.4223 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(134, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(134, 201, 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(134, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 201, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.7182, 46.8416, 7.4223 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(134, 201, 0) }
```


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

```
.border{ border-color:rgb(134, 201, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 201, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(134, 201,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7182, 46.8416, 7.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 201, 0) }
```

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

```
.background{ background-color: rgb(134,  
201, 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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