

Converting Colors

XYZ(30.1922, 46.6378, 10.8501)

Have a look what the booklet for
XYZ(30.1922, 46.6378, 10.8501)
contains.

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Color

**XYZ(30.1567, 46.4753,
10.8712)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC936
RGB	126, 201, 54
RGB Percent	49%, 79%, 21%
CMY	0.5059, 0.2117, 0.7882
CMYK	0.37, 0.00, 0.73, 0.21
HSL	91°, 58%, 50%
HSV	91°, 73%, 79%
XYZ	30.1567, 46.4753, 10.8712
YIQ	161.8170, 2.4870, -61.6170

Conversions

Conversions Part 2

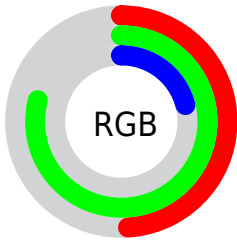
Format	Color
RYB	54, 201, 129
Decimal	8309046
CIELab	73.85, -46.27, 62.14
CIELCh	74, 77.473, 126.675
Yxy	46.4753, 0.3446, 0.5311
Android (android.graphics.Color)	4286499126 (0xFF7EC936)
YUV	161.8170, -53.1538, -31.4115
Hunter-Lab	68.1728, -40.3417, 38.2663

Details

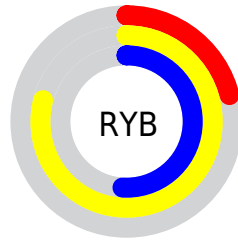
The XYZ color **30.1567, 46.4753, 10.8712** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **20.9173, 11.5240, 56.3829**, and the grayscale version is **34.4984, 36.2950, 39.5252**.

A 20% lighter version of the original color is **58.1029, 82.7131, 27.6547**, and **12.6628, 21.7867, 3.5379** is the 20% darker color. If you saturate the color by 10%, you get **28.3435, 45.5857, 8.8113**, and if you desaturate by 10%, it is **32.3222, 47.5268, 13.9673**.

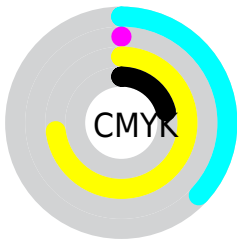
Distribution



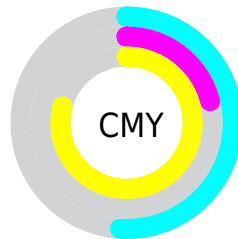
- Red (49%)
- Green (79%)
- Blue (21%)



- Red (21%)
- Yellow (79%)
- Blue (51%)



- Cyan (37%)
- Magenta (0%)
- Yellow (73%)
- Black (21%)




- Cyan (51%)
- Magenta (21%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1567, 46.4753, 10.8712 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 30.1567, 46.4753, 10.8712 by changing the saturation by 10% instead.


 30.1567, 46.4753,
10.8712


 30.1567, 46.4753,
10.8712


294.5309,
372.7162, 207.4874


 20.1062, 32.6211,
5.8672


 59.2948, 84.9299,
28.0547

 12.5810, 21.8363,
2.6970


 79.1132, 110.2990,
41.0714


 7.2157, 13.7367,
0.9419


 102.9182,
140.2752, 57.5960

 3.6449, 7.9377,
0.0000

 131.0753,
175.2429, 78.0471

 1.5033, 4.0551,
0.0000

 163.9497,
215.5864, 102.8433

 0.3280, 1.7045,
0.0000

201.9069,

 0.0000, 0.4265,

261.6902, 132.4030

0.0000

245.3122,
313.9387, 167.1449

■ 0.0000, 0.0000,
0.0000

■ 30.1567, 46.4753,
10.8712

■ 30.1567, 46.4753,
10.8712

■ 28.3435, 45.5857,
8.8113

■ 32.3222, 47.5268,
13.9673

■ 26.8488, 44.8394,
7.6483

■ 34.8626, 48.7452,
18.2095

■ 25.9727, 44.3968,
7.2005

■ 37.8018, 50.1420,
23.6972

■ 41.1606, 51.7260,
30.5181

■ 44.9580, 53.5054,
38.7519

■ 49.2119, 55.4876,
48.4722

■ 53.9389, 57.6798,
59.7474

■ 59.1547, 60.0886,
72.6417

■ 64.8744, 62.7206,
87.2155

Harmonies

Analogous

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



41.1631, 46.4753, 6.4517



30.1567, 46.4753, 10.8712



24.0288, 46.4753, 26.1034

Triad

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



30.1567, 46.4753, 10.8712



34.4869, 46.4753, 157.2321



76.0796, 46.4753, 42.2818

Complementary

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



30.1567, 46.4753, 10.8712



20.9173, 11.5240, 56.3829

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.



73.2606, 46.4753, 87.0077



30.1567, 46.4753, 10.8712



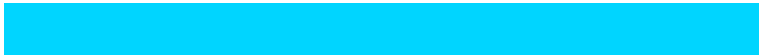
47.3270, 46.4753, 169.6612

Square

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



30.1567, 46.4753, 10.8712



26.1412, 46.4753, 110.8407



61.9734, 46.4753, 139.1797



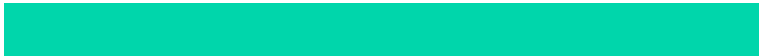
69.0275, 46.4753, 17.4546

Rectangle

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



30.1567, 46.4753, 10.8712



22.6424, 46.4753, 46.3273



61.9734, 46.4753, 139.1797



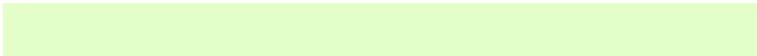
76.2739, 46.4753, 55.1355

Sweetspot

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



30.1578, 46.4773, 10.8722



77.5391, 91.8684, 67.6176



32.4093, 27.9940, 7.1859



16.1938, 19.4754, 13.5778



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.



30.1578, 46.4773, 10.8722



46.9022, 77.2360, 13.7049



23.0752, 42.8261, 10.5408



10.9838, 12.1386, 11.3268



16.4350, 27.9679, 4.5321



0.8618, 1.3674, 0.2185

Inverse Universe

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



20.9173, 11.5240, 56.3829



30.2239, 14.2078, 95.7572



35.9511, 19.2742, 57.0865



10.5640, 10.5490, 13.3969



10.2200, 4.5029, 35.0748



0.5674, 0.2562, 1.6647

Previews

White Background



This preview shows how the XYZ color 30.1567, 46.4753, 10.8712 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 30.1567, 46.4753, 10.8712 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 30.1567, 46.4753, 10.8712

Background



This preview shows how black text looks on a background with the XYZ color 30.1567, 46.4753, 10.8712.



This preview shows how white text looks on a background with the XYZ color 30.1567, 46.4753,

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

30.1567, 46.4753, 10.8712

Protanopia

41.7069, 45.9660, 9.5799

Deuteranopia

46.7872, 45.9059, 11.5490



Tritanopia

40.7953, 46.4813, 63.3216

Trichromacy



Original Color

30.1567, 46.4753, 10.8712

Protanomaly

36.2600, 45.3194, 9.9684

Deuteranomaly

38.7893, 45.0336, 11.2054

Tritanomaly

35.1422, 45.7988, 35.4216

Monochromacy



Original Color

30.1567, 46.4753, 10.8712

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

31.4949, 38.8703, 24.5816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1567, 46.4753, 10.8712 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(126, 201, 54)` looks like.

```
.text, #text, p{  
    color:rgb(126, 201, 54)  
}
```

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(126, 201, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 201, 54) }
```

Border

The CSS property to change the border of an element to XYZ 30.1567, 46.4753, 10.8712 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(126, 201, 54) }
```


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

```
.border{ border-color:rgb(126, 201, 54) }
```

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

Here you see how a box with a 4 pixel rgb(126, 201, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 201, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 201, 54);  
box-shadow:4px 4px 4px 4px rgb(126, 201,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1567, 46.4753, 10.8712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 201, 54) }
```

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

```
.background{ background-color: rgb(126,  
201, 54) }
```

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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