

# Converting Colors

XYZ(46.0562, 60.0310, 11.0510)

Have a look what the booklet for  
XYZ(46.0562, 60.0310, 11.0510)  
contains.

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# Color

**XYZ(46.1573, 60.2054,  
11.1075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BED827
RGB	190, 216, 39
RGB Percent	75%, 85%, 15%
CMY	0.2549, 0.1529, 0.8470
CMYK	0.12, 0.00, 0.82, 0.15
HSL	69°, 69%, 50%
HSV	69°, 82%, 85%
XYZ	46.1573, 60.2054, 11.1075
YIQ	188.0480, 41.3210, -60.5590

# Conversions

## Conversions Part 2

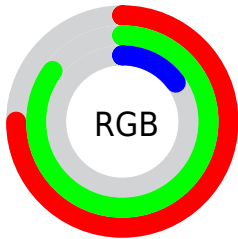
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 216, 65
Decimal	12507175
CIELab	81.95, -29.19, 75.43
CIELCh	82, 80.878, 111.154
Yxy	60.2054, 0.3929, 0.5125
Android (android.graphics.Color)	4290697255 (0xFFBED827)
YUV	188.0480, -73.4807, 1.7119
Hunter-Lab	77.5921, -29.6018, 45.8270

# Details

The XYZ color **46.1573, 60.2054, 11.1075** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **15.3022, 7.5341, 65.6172**, and the grayscale version is **48.2172, 50.7283, 55.2431**.

A 20% lighter version of the original color is **77.5826, 92.8033, 26.3942**, and **22.2606, 30.3953, 4.6936** is the 20% darker color. If you saturate the color by 10%, you get **45.1126, 59.6991, 9.6926**, and if you desaturate by 10%, it is **47.4256, 60.8075, 13.5974**.

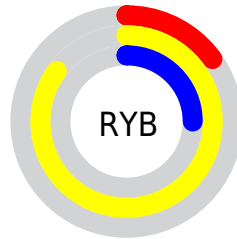
# Distribution



Red (75%)

Green (85%)

Blue (15%)



Red (15%)

Yellow (85%)

Blue (25%)

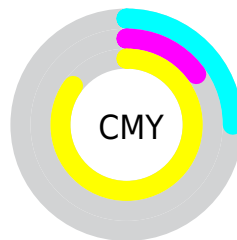


Cyan (12%)

Magenta (0%)

Yellow (82%)

Black (15%)



Cyan (25%)

Magenta (15%)


Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1573, 60.2054, 11.1075 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 46.1573, 60.2054, 11.1075 by changing the saturation by 10% instead.




 46.1573, 60.2054,  
11.1075

 46.1573, 60.2054,  
11.1075


362.1460,  
425.3545, 209.1674


 32.5751, 43.5842,  
6.0241


 83.6808, 105.1276,  
28.4985


 21.9588, 30.3438,  
2.7907

 108.3528,  
134.1973, 41.6431


 13.9431, 20.0997,  
0.9888


 137.4521,  
168.1854, 58.3119

 8.1625, 12.4675,  
0.0000

 171.3441,  
207.4762, 78.9235

 4.2518, 7.0629,  
0.0000

 210.3942,  
252.4541, 103.8962

 1.8456, 3.5015,  
0.0000

 254.9676,

 0.5449, 1.3988,

303.5036, 133.6488

0.0000

305.4298,  
361.0089, 168.5997

■ 0.0000, 0.2158,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 46.1573, 60.2054,  
11.1075

■ 46.1573, 60.2054,  
11.1075

■ 45.1126, 59.6991,  
9.6926

■ 47.4256, 60.8075,  
13.5974

■ 44.3887, 59.3380,  
9.1138

■ 48.9436, 61.5093,  
17.3175

■ 50.7379, 62.3236,  
22.4018

■ 52.8307, 63.2594,  
28.9659

■ 55.2417, 64.3244,  
37.1129

■ 57.9887, 65.5260,  
46.9370

■ 61.0884, 66.8707,  
58.5249

■ 64.5563, 68.3647,  
71.9573

■ 68.4067, 70.0138,  
87.3098

# Harmonies

## Analogous

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



62.4312, 60.2054, 9.5828



46.1573, 60.2054, 11.1075



35.2420, 60.2054, 22.4473

# Triad

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



46.1573, 60.2054, 11.1075



38.9755, 60.2054, 169.6679



96.2572, 60.2054, 81.1301

# Complementary

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



46.1573, 60.2054, 11.1075



15.3022, 7.5341, 65.6172

# 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.



86.8475, 60.2054, 144.1504



46.1573, 60.2054, 11.1075



52.3136, 60.2054, 209.6015

# Square

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



46.1573, 60.2054, 11.1075



31.7065, 60.2054, 105.7539



69.9304, 60.2054, 198.4622



93.6991, 60.2054, 37.1010



# Rectangle

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



46.1573, 60.2054, 11.1075



31.4019, 60.2054, 39.5935



69.9304, 60.2054, 198.4622



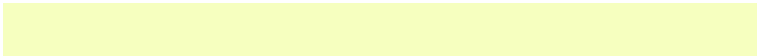
94.3298, 60.2054, 100.9268

# Sweetspot

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



46.1587, 60.2081, 11.1088



83.0690, 94.8192, 63.3583



30.4428, 18.2581, 3.8399



17.4768, 20.1625, 12.4770



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.



46.1587, 60.2081, 11.1088



64.7859, 86.4802, 13.4242



30.6218, 52.1986, 10.3816



13.2852, 14.4232, 13.2445



26.3437, 35.1570, 5.3975



1.6389, 2.1463, 0.3279



# Inverse Universe

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



15.3022, 7.5341, 65.6172



19.0528, 7.8191, 95.1128



25.9035, 12.9993, 66.1133



11.9107, 12.0954, 15.6444



7.7398, 3.1425, 38.6518



0.5222, 0.2181, 2.3339



# Previews

## White Background



This preview shows how the XYZ color 46.1573, 60.2054, 11.1075 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 46.1573, 60.2054, 11.1075 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 46.1573, 60.2054, 11.1075

## Background



This preview shows how black text looks on a background with the XYZ color 46.1573, 60.2054, 11.1075.



This preview shows how white text looks on a background with the XYZ color 46.1573, 60.2054, 11.1075.



# 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

46.1573, 60.2054, 11.1075

### Protanopia

54.2244, 59.9711, 10.3867

### Deuteranopia

61.0485, 59.6953, 12.1756



## Tritanopia

58.8646, 59.9049, 74.1059

# Trichromacy



## Original Color

46.1573, 60.2054, 11.1075

## Protanomaly

50.9141, 59.6924, 10.5886

## Deuteranomaly

54.4174, 58.9925, 11.5362

## Tritanomaly

51.5582, 58.6890, 38.3165

# Monochromacy



## Original Color

46.1573, 60.2054, 11.1075

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

45.4834, 52.9282, 30.3732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.1573, 60.2054, 11.1075 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(190, 216, 39)` looks like.

```
.text, #text, p{  
    color:rgb(190, 216, 39)  
}
```

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(190, 216, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 216, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 46.1573, 60.2054, 11.1075 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(190, 216, 39) }
```



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

```
.border{ border-color:rgb(190, 216, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 216, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 216, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 216, 39);  
box-shadow:4px 4px 4px 4px rgb(190, 216,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.1573, 60.2054, 11.1075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 216, 39) }
```

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

```
.background{ background-color: rgb(190,  
216, 39) }
```

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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