

Converting Colors

XYZ(45.9272, 60.7299, 9.5561)

Have a look what the booklet for
XYZ(45.9272, 60.7299, 9.5561)
contains.

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Color

**XYZ(46.1070, 60.9813,
9.5989)**

Conversions

Conversions Part 1

Format	Color
Hex	BDDA09
RGB	189, 218, 9
RGB Percent	74%, 85%, 4%
CMY	0.2588, 0.1451, 0.9646
CMYK	0.13, 0.00, 0.96, 0.15
HSL	68°, 92%, 45%
HSV	68°, 96%, 85%
XYZ	46.1070, 60.9813, 9.5989
YIQ	185.5030, 49.8050, -71.1470

Conversions

Conversions Part 2

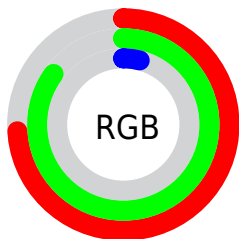
Format	Color
R _Y B	9, 218, 38
Decimal	12442121
CIE Lab	82.37, -31.14, 80.59
CIE LCh	82, 86.394, 111.124
Yxy	60.9813, 0.3951, 0.5226
Android (android.graphics.Color)	4290632201 (0xFFBDDA09)
YUV	185.5030, -87.0160, 3.0669
Hunter-Lab	78.0905, -31.2666, 47.3754

Details

The XYZ color **46.1070, 60.9813, 9.5989** 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 **13.5541, 5.6709, 66.7135**, and the grayscale version is **46.8487, 49.2885, 53.6751**.

A 20% lighter version of the original color is **76.6301, 92.3810, 23.2437**, and **22.4573, 31.0197, 4.8038** is the 20% darker color. If you saturate the color by 10%, you get **45.7494, 60.8047, 9.3252**, and if you desaturate by 10%, it is **47.0625, 61.4534, 10.6657**.

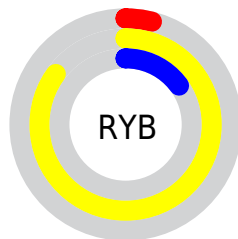
Distribution



Red (74%)

Green (85%)

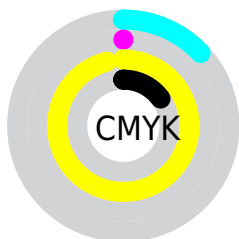
Blue (4%)



Red (4%)

Yellow (85%)

Blue (15%)

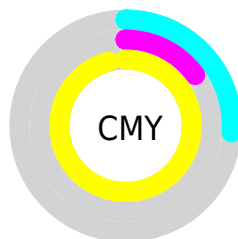


Cyan (13%)

Magenta (0%)

Yellow (96%)

Black (15%)



Cyan (26%)


Magenta (15%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1070, 60.9813, 9.5989 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 46.1070, 60.9813, 9.5989 by changing the saturation by 10% instead.


 46.1070, 60.9813,
9.5989


 46.1070, 60.9813,
9.5989


361.9474,
428.2054, 198.1646


 32.5352, 44.2101,
5.0317


 83.6060, 106.2519,
25.6342


 21.9282, 30.8357,
2.2068


 108.2639,
135.5200, 37.9394


 13.9204, 20.4738,
0.6783


 137.3480,
169.7225, 53.6610

 8.1467, 12.7399,
0.0000

 171.2235,
209.2439, 73.2177

 4.2415, 7.2497,
0.0000

 210.2559,
254.4685, 97.0278

 1.8397, 3.6187,
0.0000

 254.8104,

 0.5414, 1.4627,

305.7807, 125.5099

0.0000

305.2524,
363.5649, 159.0827

■ 0.0000, 0.2622,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.1070, 60.9813,
9.5989

■ 46.1070, 60.9813,
9.5989

■ 45.7494, 60.8047,
9.3252

■ 47.0625, 61.4534,
10.6657

■ 48.2258, 62.0081,
12.7505

■ 49.6324, 62.6620,
16.0337

■ 51.3098, 63.4261,
20.6600

■ 53.2818, 64.3099,
26.7538

■ 55.5693, 65.3217,
34.4251

■ 58.1914, 66.4692,
43.7737

■ 61.1656, 67.7595,
54.8909

■ 64.5079, 69.1989,
67.8616

Harmonies

Analogous

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



63.6013, 60.9813, 8.1367



46.1070, 60.9813, 9.5989



34.5223, 60.9813, 20.9039

Triad

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



46.1070, 60.9813, 9.5989



38.4463, 60.9813, 180.8603



100.4869, 60.9813, 83.3174

Complementary

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



46.1070, 60.9813, 9.5989



13.5541, 5.6709, 66.7135

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.



90.1501, 60.9813, 152.6154



46.1070, 60.9813, 9.5989



52.6642, 60.9813, 225.5748

Square

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



46.1070, 60.9813, 9.5989



30.7952, 60.9813, 110.0905



71.6900, 60.9813, 213.1473



97.6897, 60.9813, 36.1324

Rectangle

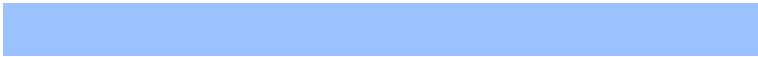
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1070, 60.9813, 9.5989



30.4844, 60.9813, 38.6836



71.6900, 60.9813, 213.1473



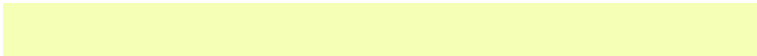
98.3646, 60.9813, 104.9328

Sweetspot

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



46.1084, 60.9841, 9.6002



81.6697, 94.2233, 57.6254



29.6227, 16.2424, 1.8330



17.1388, 20.0179, 11.1189



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.



46.1084, 60.9841, 9.6002



65.1562, 86.6743, 13.2957



28.9281, 52.1273, 8.7961



13.9753, 15.1675, 13.9166



27.4756, 36.4617, 5.5897



1.8300, 2.3879, 0.3645

Inverse Universe

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



13.5541, 5.6709, 66.7135



18.7566, 7.5842, 95.0831



23.8028, 10.9543, 67.1931



12.5060, 12.7034, 16.4450



7.9599, 3.2277, 39.9419



0.5709, 0.2376, 2.5902

Previews

White Background



This preview shows how the XYZ color 46.1070, 60.9813, 9.5989 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 46.1070, 60.9813, 9.5989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

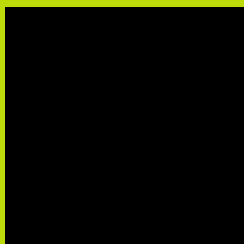
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1070, 60.9813, 9.5989

Background



This preview shows how black text looks on a background with the XYZ color 46.1070, 60.9813, 9.5989.



This preview shows how white text looks on a background with the XYZ color 46.1070, 60.9813,

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

46.1070, 60.9813, 9.5989

Protanopia

54.7863, 60.6516, 8.8194

Deuteranopia

61.7385, 60.6836, 13.6134



Tritanopia

59.5957, 60.9482, 75.6410

Trichromacy



Original Color

46.1070, 60.9813, 9.5989

Protanomaly

51.3819, 60.6987, 9.0941

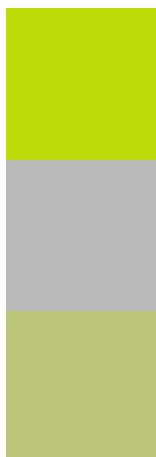
Deuteranomaly

54.7846, 59.8903, 11.1551

Tritanomaly

51.3332, 59.3743, 34.7414

Monochromacy



Original Color

46.1070, 60.9813, 9.5989

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

44.2005, 52.3581, 26.1889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1070, 60.9813, 9.5989 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(189, 218, 9)` looks like.

```
.text, #text, p{  
    color:rgb(189, 218, 9)  
}
```

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(189, 218, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 218, 9) }
```

Border

The CSS property to change the border of an element to XYZ 46.1070, 60.9813, 9.5989 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(189, 218, 9) }
```


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

```
.border{ border-color:rgb(189, 218, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 218, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 218, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 218, 9);  
box-shadow:4px 4px 4px 4px rgb(189, 218,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1070, 60.9813, 9.5989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 218, 9) }
```

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

```
.background{ background-color: rgb(189,  
218, 9) }
```

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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