

Converting Colors

XYZ(44.6368, 61.8666, 12.2377)

Have a look what the booklet for
XYZ(44.6368, 61.8666, 12.2377)
contains.

XYZ(44.5389, 61.6779, 12.2469)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.5389, 61.6779,
12.2469)**

Conversions

Conversions Part 1

Format	Color
Hex	B0DE2F
RGB	176, 222, 47
RGB Percent	69%, 87%, 18%
CMY	0.3098, 0.1294, 0.8157
CMYK	0.21, 0.00, 0.79, 0.13
HSL	76°, 73%, 53%
HSV	76°, 79%, 87%
XYZ	44.5389, 61.6779, 12.2469
YIQ	188.2960, 28.7590, -64.1770

Conversions

Conversions Part 2

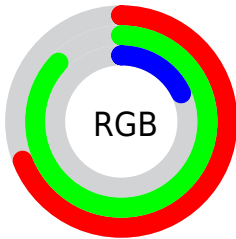
Format	Color
RYB	47, 222, 93
Decimal	11591215
CIELab	82.74, -37.25, 73.70
CIELCh	83, 82.580, 116.812
Yxy	61.6779, 0.3760, 0.5206
Android (android.graphics.Color)	4289781295 (0xFFB0DE2F)
YUV	188.2960, -69.6589, -10.7836
Hunter-Lab	78.5353, -36.2059, 45.7289

Details

The XYZ color **44.5389, 61.6779, 12.2469** 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 **18.7179, 9.6357, 69.9842**, and the grayscale version is **48.3428, 50.8604, 55.3869**.

A 20% lighter version of the original color is **72.7277, 90.2649, 27.7771**, and **21.2899, 31.4890, 4.9559** is the 20% darker color. If you saturate the color by 10%, you get **42.9089, 60.8789, 10.3981**, and if you desaturate by 10%, it is **46.4560, 62.6027, 15.2993**.

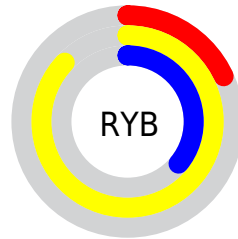
Distribution



Red (69%)

Green (87%)

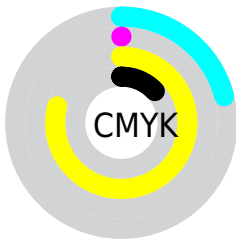
Blue (18%)



Red (18%)

Yellow (87%)

Blue (36%)

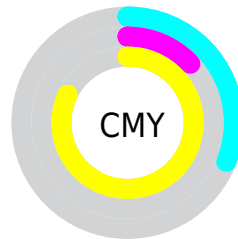


Cyan (21%)

Magenta (0%)

Yellow (79%)

Black (13%)



Cyan (31%)

Magenta (13%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5389, 61.6779, 12.2469 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 44.5389, 61.6779, 12.2469 by changing the saturation by 10% instead.

■ 44.5389, 61.6779,
12.2469

■ 44.5389, 61.6779,
12.2469

355.7181,
430.7552, 217.0687

■ 31.2941, 44.7725,
6.7875

■ 81.2694, 107.2599,
30.6151

■ 20.9758, 31.2783,
3.2531

■ 105.4858,
136.7052, 44.3609

■ 13.2187, 20.8108,
1.2253

■ 134.0901,
171.0993, 61.7060

■ 7.6574, 12.9858,
0.0000

■ 167.4477,
210.8266, 83.0688

■ 3.9264, 7.4188,
0.0000

■ 205.9240,
256.2714, 108.8680

■ 1.6606, 3.7253,
0.0000

249.8842,

■ 0.4314, 1.5211,

307.8182, 139.5220

0.0000

299.6938,
365.8513, 175.4494

■ 0.0000, 0.3035,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.5389, 61.6779,
12.2469

■ 44.5389, 61.6779,
12.2469

■ 42.9089, 60.8789,
10.3981

■ 46.4560, 62.6027,
15.2993

■ 41.5143, 60.1784,
9.5024

■ 48.6871, 63.6575,
19.7113

■ 41.3586, 60.0997,
9.4206

■ 51.2600, 64.8558,
25.6200

■ 54.1980, 66.2068,
33.1445

■ 57.5220, 67.7192,
42.3919

■ 61.2515, 69.4007,
53.4602

■ 65.4041, 71.2585,
66.4401

■ 69.9965, 73.2993,
81.4160

■ 75.0446, 75.5294,
98.4675

Harmonies

Analogous

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



60.5412, 61.6779, 9.2095



44.5389, 61.6779, 12.2469



34.4519, 61.6779, 26.6091

Triad

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



44.5389, 61.6779, 12.2469



41.8579, 61.6779, 186.6350



99.7201, 61.6779, 72.7393

Complementary

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



44.5389, 61.6779, 12.2469



18.7179, 9.6357, 69.9842

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.



92.0682, 61.6779, 136.1120



44.5389, 61.6779, 12.2469



56.7458, 61.6779, 219.6189

Square

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



44.5389, 61.6779, 12.2469



33.1376, 61.6779, 121.5862



75.4013, 61.6779, 197.5851



94.6560, 61.6779, 32.0170

Rectangle

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



44.5389, 61.6779, 12.2469



31.2806, 61.6779, 47.2372



75.4013, 61.6779, 197.5851



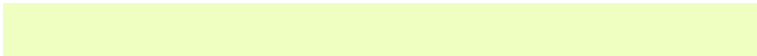
98.5179, 61.6779, 92.0111

Sweetspot

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



44.5403, 61.6807, 12.2482



81.0417, 93.7413, 64.7438



34.3594, 23.1765, 5.3527



16.9633, 19.8915, 12.7358



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.



44.5403, 61.6807, 12.2482



57.3960, 82.6656, 13.3033



30.9264, 54.6624, 11.6111



14.5018, 15.8388, 14.5997



24.6746, 35.7527, 5.6005



1.7930, 2.5208, 0.3921

Inverse Universe

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



18.7179, 9.6357, 69.9842



21.2060, 9.0559, 95.2380



32.6212, 16.8031, 70.6349



13.2883, 13.4166, 17.2770



8.9698, 3.7194, 41.2935



0.7050, 0.3007, 2.8661

Previews

White Background



This preview shows how the XYZ color 44.5389, 61.6779, 12.2469 looks on a white background.

Color Contrast Check

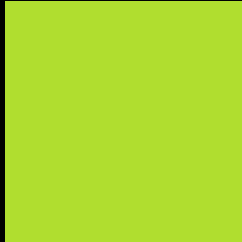
Large Text (above 18pt) WCAG AA × Fail

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 44.5389, 61.6779, 12.2469 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 44.5389, 61.6779, 12.2469

Background



This preview shows how black text looks on a background with the XYZ color 44.5389, 61.6779, 12.2469.



This preview shows how white text looks on a background with the XYZ color 44.5389, 61.6779,

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

44.5389, 61.6779, 12.2469

Protanopia

55.4623, 61.3060, 11.1956

Deuteranopia

62.1303, 60.8403, 15.6765



Tritanopia

57.8802, 61.4227, 78.6172

Trichromacy



Original Color

44.5389, 61.6779, 12.2469

Protanomaly

50.8621, 61.1177, 11.4991

Deuteranomaly

54.2085, 60.2366, 14.0799

Tritanomaly

50.2950, 60.1550, 41.7611

Monochromacy



Original Color

44.5389, 61.6779, 12.2469

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

44.9368, 53.3050, 31.5874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5389, 61.6779, 12.2469 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(176, 222, 47)` looks like.

```
.text, #text, p{  
    color:rgb(176, 222, 47)  
}
```

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(176, 222, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 222, 47) }
```

Border

The CSS property to change the border of an element to XYZ 44.5389, 61.6779, 12.2469 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(176, 222, 47) }
```


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

```
.border{ border-color:rgb(176, 222, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 222, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 222, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 222, 47);  
box-shadow:4px 4px 4px 4px rgb(176, 222,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5389, 61.6779, 12.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 222, 47) }
```

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

```
.background{ background-color: rgb(176,  
222, 47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor