

# Converting Colors

XYZ(42.6301, 62.2875, 12.5722)

Have a look what the booklet for  
XYZ(42.6301, 62.2875, 12.5722)  
contains.

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# Color

**XYZ(42.6301, 62.2875,  
12.5722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2E230
RGB	162, 226, 48
RGB Percent	64%, 89%, 19%
CMY	0.3647, 0.1137, 0.8117
CMYK	0.28, 0.00, 0.79, 0.11
HSL	82°, 75%, 54%
HSV	82°, 79%, 89%
XYZ	42.6301, 62.2875, 12.5722
YIQ	186.5720, 18.9940, -68.9260

# Conversions

## Conversions Part 2

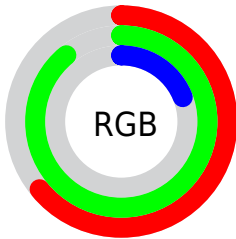
<b>Format</b>	<b>Color</b>
<b>RYB</b>	48, 226, 112
Decimal	10674736
CIELab	83.07, -44.28, 73.41
CIELCh	83, 85.732, 121.094
Yxy	62.2875, 0.3628, 0.5302
Android (android.graphics.Color)	4288864816 (0xFFA2E230)
YUV	186.5720, -68.3160, -21.5496
Hunter-Lab	78.9224, -41.6971, 45.8009

# Details

The XYZ color **42.6301, 62.2875, 12.5722** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **21.4694, 11.0516, 72.9568**, and the grayscale version is **47.3597, 49.8261, 54.2606**.

A 20% lighter version of the original color is **68.3391, 87.9963, 27.8511**, and **20.0836, 31.6925, 5.0587** is the 20% darker color. If you saturate the color by 10%, you get **40.6798, 61.3249, 10.6358**, and if you desaturate by 10%, it is **44.9274, 63.4055, 15.7662**.

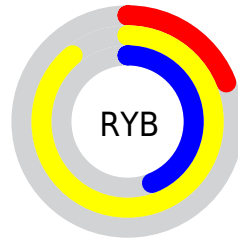
# Distribution



Red (64%)

Green (89%)

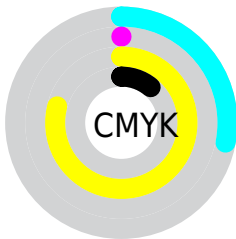
Blue (19%)



Red (19%)

Yellow (89%)

Blue (44%)

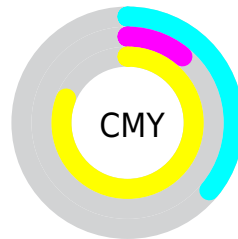


Cyan (28%)

Magenta (0%)

Yellow (79%)

Black (11%)



Cyan (36%)

Magenta (11%)


Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6301, 62.2875, 12.5722 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 42.6301, 62.2875, 12.5722 by changing the saturation by 10% instead.





 42.6301, 62.2875,  
12.5722


 42.6301, 62.2875,  
12.5722


348.0357,  
432.9790, 219.2681


 29.7883, 45.2650,  
7.0074


 78.4116, 108.1409,  
31.2129

 19.8252, 31.6662,  
3.3882


 102.0819,  
137.7407, 45.1258


 12.3756, 21.1067,  
1.2961

 130.0924,  
172.3017, 62.6586

 7.0740, 13.2020,  
0.0586

 162.8085,  
212.2084, 84.2297

 3.5552, 7.5678,  
0.0000

 200.5956,  
257.8450, 110.2576

 1.4537, 3.8197,  
0.0000

243.8189,

 0.2940, 1.5732,

309.5961, 141.1610

0.0000

292.8438,  
367.8459, 177.3583

■ 0.0000, 0.3394,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 42.6301, 62.2875,  
12.5722

■ 42.6301, 62.2875,  
12.5722

■ 40.6798, 61.3249,  
10.6358

■ 44.9274, 63.4055,  
15.7662

■ 39.0220, 60.4893,  
9.6996

■ 47.6010, 64.6845,  
20.3812

■ 38.8283, 60.3912,  
9.6102

■ 50.6812, 66.1388,  
26.5600

■ 54.1935, 67.7789,  
34.4273

■ 58.1607, 69.6143,  
44.0948

■ 62.6043, 71.6535,  
55.6652

■ 67.5438, 73.9047,  
69.2328

■ 72.9976, 76.3755,  
84.8862

■ 78.9833, 79.0729,  
102.7084

# Harmonies

## Analogous

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



58.5241, 62.2875, 8.3843



42.6301, 62.2875, 12.5722



33.1513, 62.2875, 29.4648

# Triad

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



42.6301, 62.2875, 12.5722



43.5847, 62.2875, 202.2574



102.4901, 62.2875, 65.8889

# Complementary

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



42.6301, 62.2875, 12.5722



21.4694, 11.0516, 72.9568

# 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.



96.2265, 62.2875, 130.1293



42.6301, 62.2875, 12.5722



59.8860, 62.2875, 229.7376

# Square

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



42.6301, 62.2875, 12.5722



33.6161, 62.2875, 135.4150



79.5937, 62.2875, 198.2437



95.2882, 62.2875, 27.5694



# Rectangle

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



42.6301, 62.2875, 12.5722



30.4993, 62.2875, 53.2074



79.5937, 62.2875, 198.2437



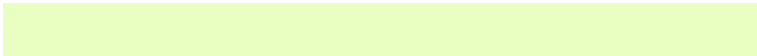
101.8809, 62.2875, 84.8906

# Sweetspot

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



42.6315, 62.2903, 12.5735



79.0771, 92.7285, 64.6518



37.5085, 27.6013, 6.1479



16.4880, 19.6465, 12.7136



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.



42.6315, 62.2903, 12.5735



51.9559, 79.8611, 13.0487



30.6103, 56.0931, 12.0110



14.3687, 15.7702, 14.5934



22.2845, 34.5206, 5.4886



1.6414, 2.4426, 0.3850



# Inverse Universe

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



21.4694, 11.0516, 72.9568



23.4309, 10.2029, 95.3422



38.4198, 19.7898, 73.7501



13.4149, 13.4819, 17.2829



9.8987, 4.1983, 41.3370



0.7816, 0.3402, 2.8697



# Previews

## White Background



This preview shows how the XYZ color 42.6301, 62.2875, 12.5722 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 42.6301, 62.2875, 12.5722 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 42.6301, 62.2875, 12.5722**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6301, 62.2875, 12.5722.



This preview shows how white text looks on a background with the XYZ color 42.6301, 62.2875,



# 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

42.6301, 62.2875, 12.5722

### Protanopia

55.7861, 61.4728, 11.2107

### Deuteranopia

62.5413, 61.3644, 16.7318



## Tritanopia

56.6878, 62.2019, 81.6914

# Trichromacy



## Original Color

42.6301, 62.2875, 12.5722

## Protanomaly

50.0000, 61.0434, 11.6299

## Deuteranomaly

53.2371, 60.4400, 14.6545

## Tritanomaly

48.7567, 60.8343, 43.3549

# Monochromacy



## Original Color

42.6301, 62.2875, 12.5722

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

43.6907, 53.0158, 31.2229

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6301, 62.2875, 12.5722 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(162, 226, 48)` looks like.

```
.text, #text, p{  
    color:rgb(162, 226, 48)  
}
```

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(162, 226, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 226, 48) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6301, 62.2875, 12.5722 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(162, 226, 48) }
```



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

```
.border{ border-color:rgb(162, 226, 48) }
```

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

Here you see how a box with a 4 pixel rgb(162, 226, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 226, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 226, 48);  
box-shadow:4px 4px 4px 4px rgb(162, 226,  
48) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6301, 62.2875, 12.5722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 226, 48) }
```

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

```
.background{ background-color: rgb(162,  
226, 48) }
```

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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