

# Converting Colors

XYZ(36.8328, 59.2912, 10.2661)

Have a look what the booklet for  
XYZ(36.8328, 59.2912, 10.2661)  
contains.

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# Color

**XYZ(36.8569, 59.3562,  
10.2734)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	84E216
RGB	132, 226, 22
RGB Percent	52%, 89%, 9%
CMY	0.4824, 0.1137, 0.9137
CMYK	0.42, 0.00, 0.90, 0.11
HSL	88°, 82%, 49%
HSV	88°, 90%, 89%
XYZ	36.8569, 59.3562, 10.2734
YIQ	174.6380, 9.4600, -83.3720

# Conversions

## Conversions Part 2

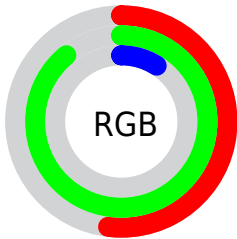
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	22, 226, 116
Decimal	8708630
CIE Lab	81.49, -55.59, 77.03
CIE LCh	81, 94.995, 125.817
Yxy	59.3562, 0.3461, 0.5574
Android (android.graphics.Color)	4286898710 (0xFF84E216)
YUV	174.6380, -75.2505, -37.3935
Hunter-Lab	77.0430, -49.4319, 46.0240

# Details

The XYZ color **36.8569, 59.3562, 10.2734** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **21.2208, 9.7803, 72.7242**, and the grayscale version is **40.9359, 43.0677, 46.9008**.

A 20% lighter version of the original color is **59.5186, 83.5346, 23.5765**, and **16.9005, 30.0515, 4.9098** is the 20% darker color. If you saturate the color by 10%, you get **35.2029, 58.5221, 9.4405**, and if you desaturate by 10%, it is **38.8906, 60.3694, 12.0469**.

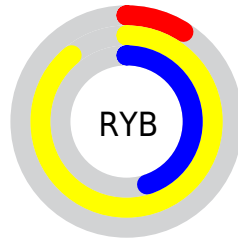
# Distribution



Red (52%)

Green (89%)

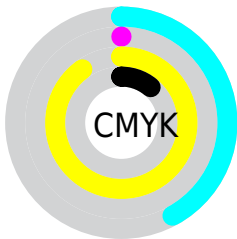
Blue (9%)



Red (9%)

Yellow (89%)

Blue (45%)

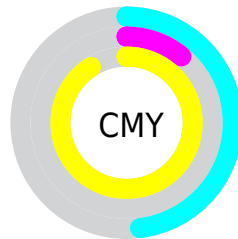


Cyan (42%)

Magenta (0%)

Yellow (90%)

Black (11%)



Cyan (48%)

Magenta (11%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8569, 59.3562, 10.2734 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 36.8569, 59.3562, 10.2734 by changing the saturation by 10% instead.





 36.8569, 59.3562,  
10.2734


 36.8569, 59.3562,  
10.2734


324.0569,  
422.2207, 203.1676


 25.2699, 42.8999,  
5.4726


 69.6679, 103.8952,  
26.9243

 16.4080, 29.8066,  
2.4636


 91.6226, 132.7467,  
39.6115

 9.9060, 19.6918,  
0.8208


 117.7639,  
166.4987, 55.7646

 5.3985, 12.1712,  
0.0000

 148.4571,  
205.5357, 75.8022

 2.5201, 6.8604,  
0.0000

 184.0677,  
250.2420, 100.1427

 0.9054, 3.3750,  
0.0000

 224.9610,

 0.0000, 1.3305,

301.0019, 129.2048

0.0000

271.5022,  
358.2001, 163.4069

■ 0.0000, 0.1646,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.8569, 59.3562,  
10.2734

■ 36.8569, 59.3562,  
10.2734

■ 35.2029, 58.5221,  
9.4405

■ 38.8906, 60.3694,  
12.0469

■ 41.3221, 61.5589,  
15.0488

■ 44.1899, 62.9428,  
19.4526

■ 47.5256, 64.5342,  
25.4034

■ 51.3574, 66.3448,  
33.0280

■ 55.7108, 68.3852,  
42.4400

■ 60.6092, 70.6653,  
53.7433

■ 66.0745, 73.1943,  
67.0336

■ 72.1272, 75.9807,  
82.4003

# Harmonies

## Analogous

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



52.6265, 59.3562, 5.4207



36.8569, 59.3562, 10.2734



28.2154, 59.3562, 29.3302

# Triad

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



36.8569, 59.3562, 10.2734



42.1489, 59.3562, 224.9887



103.6843, 59.3562, 54.1466

# Complementary

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



36.8569, 59.3562, 10.2734



21.2208, 9.7803, 72.7242

# 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.



99.0139, 59.3562, 120.7135



36.8569, 59.3562, 10.2734



60.3838, 59.3562, 246.4285

# Square

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



36.8569, 59.3562, 10.2734



30.7301, 59.3562, 152.3024



81.9002, 59.3562, 200.4299



93.4779, 59.3562, 19.3735



# Rectangle

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



36.8569, 59.3562, 10.2734



26.2133, 59.3562, 56.9609



81.9002, 59.3562, 200.4299



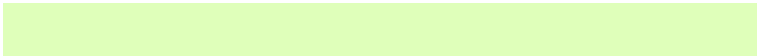
103.8271, 59.3562, 72.9557

# Sweetspot

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



36.8583, 59.3588, 10.2747



75.1540, 90.8027, 60.1037



37.5066, 28.2197, 4.2301



15.6317, 19.2235, 11.8393



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.



36.8583, 59.3588, 10.2747



46.1564, 76.8795, 12.4065



27.9451, 54.7638, 9.8576



14.2312, 15.6993, 14.5870



20.2209, 33.4568, 5.3921



1.5046, 2.3721, 0.3786



# Inverse Universe

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



21.2208, 9.7803, 72.7242



25.4554, 11.0376, 95.3966



42.2768, 20.6350, 73.7096



13.5493, 13.5512, 17.2892



11.2321, 4.8857, 41.3994



0.8810, 0.3915, 2.8744



# Previews

## White Background



This preview shows how the XYZ color 36.8569, 59.3562, 10.2734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

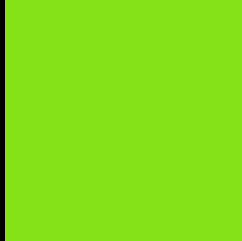
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.8569, 59.3562, 10.2734 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 36.8569, 59.3562, 10.2734**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.8569, 59.3562, 10.2734.



This preview shows how white text looks on a background with the XYZ color 36.8569, 59.3562,



# 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

36.8569, 59.3562, 10.2734

### Protanopia

52.8484, 58.5917, 8.7824

### Deuteranopia

59.6932, 58.3660, 11.0253



## Tritanopia

51.0123, 58.9083, 81.3549

# Trichromacy



## Original Color

36.8569, 59.3562, 10.2734



## Protanomaly

45.1118, 57.8267, 9.1995



## Deuteranomaly

48.2536, 56.8875, 10.3566



## Tritanomaly

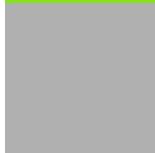
42.6178, 57.7683, 38.6100

# Monochromacy



## Original Color

36.8569, 59.3562, 10.2734



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

36.9196, 47.2864, 24.6341

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.8569, 59.3562, 10.2734 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(132, 226, 22)` looks like.

```
.text, #text, p{  
    color:rgb(132, 226, 22)  
}
```

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(132, 226, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 226, 22) }
```

## Border

The CSS property to change the border of an element to XYZ 36.8569, 59.3562, 10.2734 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(132, 226, 22) }
```



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

```
.border{ border-color:rgb(132, 226, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 226, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 226, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 226, 22);  
box-shadow:4px 4px 4px 4px rgb(132, 226,  
22) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.8569, 59.3562, 10.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 226, 22) }
```

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

```
.background{ background-color: rgb(132,  
226, 22) }
```

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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