

# Converting Colors

XYZ(36.6332, 62.6410, 11.8852)

Have a look what the booklet for  
XYZ(36.6332, 62.6410, 11.8852)  
contains.

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# Color

**XYZ(36.5668, 62.4899,  
11.8848)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	71EA25
RGB	113, 234, 37
RGB Percent	44%, 92%, 15%
CMY	0.5569, 0.0823, 0.8549
CMYK	0.52, 0.00, 0.84, 0.08
HSL	97°, 82%, 53%
HSV	97°, 84%, 92%
XYZ	36.5668, 62.4899, 11.8848
YIQ	175.3630, -8.8790, -86.9190

# Conversions

## Conversions Part 2

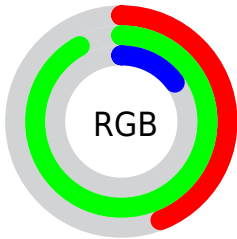
<b>Format</b>	<b>Color</b>
<b>RYB</b>	37, 234, 158
Decimal	7465509
CIELab	83.17, -63.82, 75.41
CIELCh	83, 98.788, 130.242
Yxy	62.4899, 0.3296, 0.5633
Android (android.graphics.Color)	4285655589 (0xFF71EA25)
YUV	175.3630, -68.2130, -54.6924
Hunter-Lab	79.0506, -55.7689, 46.4215

# Details

The XYZ color **36.5668, 62.4899, 11.8848** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **29.6177, 14.5355, 79.0899**, and the grayscale version is **41.2840, 43.4340, 47.2996**.

A 20% lighter version of the original color is **55.8375, 81.5933, 25.3765**, and **16.6366, 31.9157, 5.2835** is the 20% darker color. If you saturate the color by 10%, you get **34.6056, 61.5105, 10.4506**, and if you desaturate by 10%, it is **39.0588, 63.7196, 14.5729**.

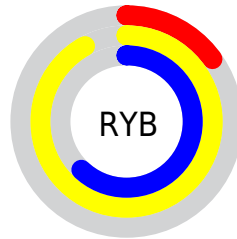
# Distribution



Red (44%)

Green (92%)

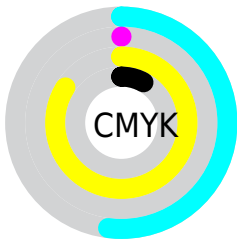
Blue (15%)



Red (15%)

Yellow (92%)

Blue (62%)

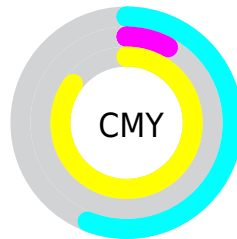


Cyan (52%)

Magenta (0%)

Yellow (84%)

Black (8%)



Cyan (56%)

Magenta (8%)

Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5668, 62.4899, 11.8848 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 36.5668, 62.4899, 11.8848 by changing the saturation by 10% instead.





 36.5668, 62.4899,  
11.8848


 36.5668, 62.4899,  
11.8848


322.8194,  
433.7158, 214.5919


 25.0444, 45.4287,  
6.5437


 69.2242, 108.4333,  
29.9464

 16.2390, 31.7952,  
3.1043

 91.0899, 138.0842,  
43.5039


 9.7854, 21.2051,  
1.1481


 117.1340,  
172.7004, 60.6374

 5.3181, 13.2740,  
0.0000

 147.7220,  
212.6665, 81.7652

 2.4717, 7.6175,  
0.0000

 183.2192,  
258.3666, 107.3061

 0.8810, 3.8512,  
0.0000

 223.9909,

 0.0000, 1.5907,

310.1853, 137.6785

0.0000

270.4025,  
368.5069, 173.3009

■ 0.0000, 0.3513,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.5668, 62.4899,  
11.8848

■ 36.5668, 62.4899,  
11.8848

■ 34.6056, 61.5105,  
10.4506

■ 39.0588, 63.7196,  
14.5729

■ 33.6664, 61.0352,  
10.0066

■ 42.1291, 65.2139,  
18.7162

■ 45.8231, 66.9943,  
24.4849

■ 50.1796, 69.0779,  
32.0244

■ 55.2342, 71.4799,  
41.4639

■ 61.0192, 74.2146,  
52.9208

■ 67.5651, 77.2953,  
66.5028

■ 74.9002, 80.7344,  
82.3101

■ 83.0514, 84.5437,  
100.4363

# Harmonies

## Analogous

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



52.3697, 62.4899, 5.4650



36.5668, 62.4899, 11.8848



28.4585, 62.4899, 35.4539

# Triad

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



36.5668, 62.4899, 11.8848



46.5338, 62.4899, 250.3150



109.8306, 62.4899, 49.1522

# Complementary

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



36.5668, 62.4899, 11.8848



29.6177, 14.5355, 79.0899

# 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.



107.1885, 62.4899, 116.2000



36.5668, 62.4899, 11.8848



67.0215, 62.4899, 262.5768

# Square

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



36.5668, 62.4899, 11.8848



33.1813, 62.4899, 176.1993



90.1657, 62.4899, 203.5950



96.6976, 62.4899, 16.7527



# Rectangle

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



36.5668, 62.4899, 11.8848



27.0000, 62.4899, 68.5404



90.1657, 62.4899, 203.5950



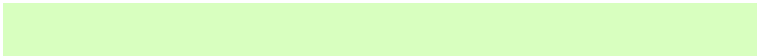
110.8216, 62.4899, 67.5438

# Sweetspot

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



36.5682, 62.4926, 11.8862



73.4634, 89.8673, 62.9088



46.0232, 41.1387, 7.2661



15.1772, 18.9770, 12.3693



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.



36.5682, 62.4926, 11.8862



40.8363, 74.1369, 12.1576



30.9188, 59.5343, 13.6949



15.4177, 17.1454, 16.0155



19.0482, 34.3642, 5.6290



1.6003, 2.7523, 0.4469



# Inverse Universe

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



29.6177, 14.5355, 79.0899



31.8838, 14.3516, 95.6974



46.7718, 23.6877, 65.9300



15.1196, 15.0069, 19.0220



14.9279, 6.7315, 44.2555

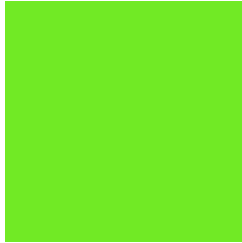


1.2791, 0.5837, 3.4801



# Previews

## White Background



This preview shows how the XYZ color 36.5668, 62.4899, 11.8848 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 36.5668, 62.4899, 11.8848 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

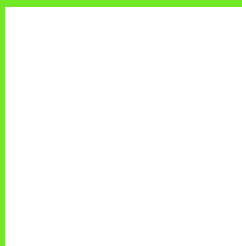
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.5668, 62.4899, 11.8848**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.5668, 62.4899, 11.8848.



This preview shows how white text looks on a background with the XYZ color 36.5668, 62.4899,



# 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

36.5668, 62.4899, 11.8848

### Protanopia

55.5718, 61.3871, 10.0824

### Deuteranopia

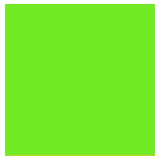
62.4279, 61.3190, 16.1349



## **Tritanopia**

51.7439, 62.1607, 87.8683

# Trichromacy



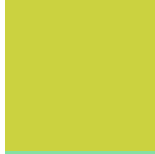
## Original Color

36.5668, 62.4899, 11.8848



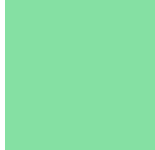
## Protanomaly

45.8028, 60.0348, 10.5403



## Deuteranomaly

48.6006, 59.1599, 13.7080



## Tritanomaly

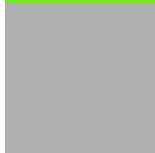
42.9394, 60.9422, 44.1502

# Monochromacy



## Original Color

36.5668, 62.4899, 11.8848



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

36.3905, 47.6359, 26.6787

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.5668, 62.4899, 11.8848 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(113, 234, 37)` looks like.

```
.text, #text, p{  
    color:rgb(113, 234, 37)  
}
```

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(113, 234, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 234, 37) }
```

## Border

The CSS property to change the border of an element to XYZ 36.5668, 62.4899, 11.8848 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(113, 234, 37) }
```



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

```
.border{ border-color:rgb(113, 234, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 234, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 234, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 234, 37);  
box-shadow:4px 4px 4px 4px rgb(113, 234,  
37) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.5668, 62.4899, 11.8848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 234, 37) }
```

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

```
.background{ background-color: rgb(113,  
234, 37) }
```

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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