

Converting Colors

XYZ(36.6015, 62.1684, 10.8225)

Have a look what the booklet for
XYZ(36.6015, 62.1684, 10.8225)
contains.

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Color

**XYZ(36.6199, 62.1177,
10.8189)**

Conversions

Conversions Part 1

Format	Color
Hex	75E916
RGB	117, 233, 22
RGB Percent	46%, 91%, 9%
CMY	0.5412, 0.0863, 0.9137
CMYK	0.50, 0.00, 0.91, 0.09
HSL	93°, 83%, 50%
HSV	93°, 91%, 91%
XYZ	36.6199, 62.1177, 10.8189
YIQ	174.2620, -1.4050, -90.2130

Conversions

Conversions Part 2

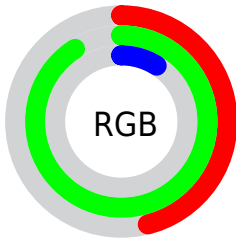
Format	Color
R _Y B	22, 233, 138
Decimal	7727382
CIE Lab	82.98, -62.79, 78.01
CIE LCh	83, 100.145, 128.830
Yxy	62.1177, 0.3343, 0.5670
Android (android.graphics.Color)	4285917462 (0xFF75E916)
YUV	174.2620, -75.0652, -50.2188
Hunter-Lab	78.8148, -54.9890, 47.0316

Details

The XYZ color **36.6199, 62.1177, 10.8189** 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 **25.4809, 11.8632, 78.0411**, and the grayscale version is **40.7443, 42.8662, 46.6813**.

A 20% lighter version of the original color is **56.1857, 81.8112, 23.6563**, and **16.6976, 31.6550, 5.2300** is the 20% darker color. If you saturate the color by 10%, you get **34.9535, 61.2773, 9.9855**, and if you desaturate by 10%, it is **38.7970, 63.2033, 12.6696**.

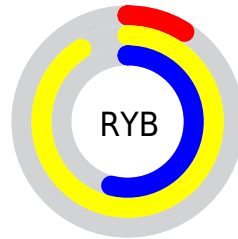
Distribution



Red (46%)

Green (91%)

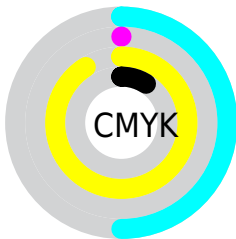
Blue (9%)



Red (9%)

Yellow (91%)

Blue (54%)

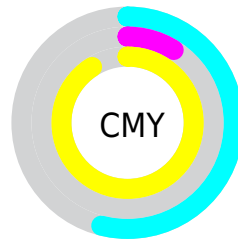


Cyan (50%)

Magenta (0%)

Yellow (91%)

Black (9%)



Cyan (54%)


Magenta (9%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6199, 62.1177, 10.8189 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 36.6199, 62.1177, 10.8189 by changing the saturation by 10% instead.


 36.6199, 62.1177,
10.8189


 36.6199, 62.1177,
10.8189


323.0461,
432.3603, 207.1135


 25.0857, 45.1278,
5.8326


 69.3054, 107.8956,
27.9563

 16.2700, 31.5581,
2.6764


 91.1874, 137.4524,
40.9444


 9.8074, 21.0242,
0.9315

 117.2494,
171.9670, 57.4369

 5.3328, 13.1417,
0.0000

 147.8567,
211.8238, 77.8523

 2.4805, 7.5262,
0.0000

 183.3747,
257.4071, 102.6091

 0.8855, 3.7933,
0.0000

 224.1686,

 0.0000, 1.5586,

309.1013, 132.1259

0.0000

270.6040,
367.2909, 166.8212

■ 0.0000, 0.3295,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6199, 62.1177,
10.8189

■ 36.6199, 62.1177,
10.8189

■ 34.9535, 61.2773,
9.9855

■ 38.7970, 63.2033,
12.6696

■ 41.4650, 64.5114,
15.8350

■ 44.6693, 66.0633,
20.5040

■ 48.4479, 67.8750,
26.8339

■ 52.8345, 69.9610,
34.9620

■ 57.8598, 72.3344,
45.0115

■ 63.5521, 75.0074,
57.0945

■ 69.9380, 77.9913,
71.3148

■ 77.0424, 81.2969,
87.7687

Harmonies

Analogous

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



52.8858, 62.1177, 5.0147



36.6199, 62.1177, 10.8189



28.1368, 62.1177, 33.1028

Triad

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



36.6199, 62.1177, 10.8189



45.2627, 62.1177, 250.5274



110.3932, 62.1177, 50.9540

Complementary

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



36.6199, 62.1177, 10.8189



25.4809, 11.8632, 78.0411

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.



106.9196, 62.1177, 120.3957



36.6199, 62.1177, 10.8189



65.6562, 62.1177, 266.7239

Square

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



36.6199, 62.1177, 10.8189



32.2133, 62.1177, 173.1409



89.1364, 62.1177, 209.2667



97.7146, 62.1177, 17.0766

Rectangle

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



36.6199, 62.1177, 10.8189



26.4644, 62.1177, 65.2334



89.1364, 62.1177, 209.2667



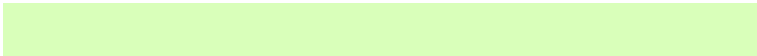
111.1296, 62.1177, 70.0961

Sweetspot

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



36.6213, 62.1204, 10.8203



73.2972, 89.8455, 60.0168



42.3513, 34.5835, 5.2031



15.1958, 18.9988, 11.8189



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.



36.6213, 62.1204, 10.8203



42.8034, 75.1510, 12.2496



29.6939, 58.5402, 10.9001



15.5123, 17.1941, 16.0199



19.9708, 34.8398, 5.6722



1.6776, 2.7921, 0.4505

Inverse Universe

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



25.4809, 11.8632, 78.0411



28.8997, 12.8132, 95.5578



47.6166, 23.3884, 73.9359



15.0229, 14.9571, 19.0175



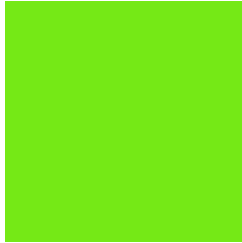
13.5510, 6.0217, 44.1911



1.1746, 0.5298, 3.4752

Previews

White Background



This preview shows how the XYZ color 36.6199, 62.1177, 10.8189 looks on a white background.

Color Contrast Check

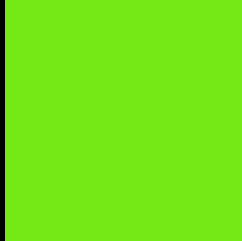
Large Text (above 18pt) WCAG AA × Fail

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 36.6199, 62.1177, 10.8189 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 36.6199, 62.1177, 10.8189

Background



This preview shows how black text looks on a background with the XYZ color 36.6199, 62.1177, 10.8189.



This preview shows how white text looks on a background with the XYZ color 36.6199, 62.1177,

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

36.6199, 62.1177, 10.8189

Protanopia

55.0537, 61.1425, 9.0436

Deuteranopia

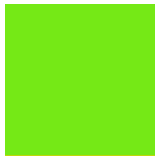
61.9911, 60.7846, 14.9439



Tritanopia

51.8769, 61.8621, 87.0483

Trichromacy



Original Color

36.6199, 62.1177, 10.8189



Protanomaly

45.8515, 60.0830, 9.4972



Deuteranomaly

48.6669, 58.8559, 12.4097



Tritanomaly

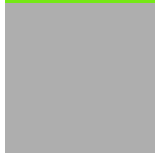
42.7900, 60.5280, 41.3261

Monochromacy



Original Color

36.6199, 62.1177, 10.8189



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

35.9817, 47.1344, 24.6542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6199, 62.1177, 10.8189 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(117, 233, 22)` looks like.

```
.text, #text, p{  
    color:rgb(117, 233, 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(117, 233, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 233, 22) }
```

Border

The CSS property to change the border of an element to XYZ 36.6199, 62.1177, 10.8189 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(117, 233, 22) }
```


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

```
.border{ border-color:rgb(117, 233, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 233, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 233, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 233, 22);  
box-shadow:4px 4px 4px 4px rgb(117, 233,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6199, 62.1177, 10.8189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 233, 22) }
```

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

```
.background{ background-color: rgb(117,  
233, 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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