

# Converting Colors

XYZ(35.7724, 62.1522, 16.1758)

Have a look what the booklet for  
XYZ(35.7724, 62.1522, 16.1758)  
contains.

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# Color

**XYZ(35.6295, 61.9102,  
16.2029)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62EA48
RGB	98, 234, 72
RGB Percent	38%, 92%, 28%
CMY	0.6157, 0.0823, 0.7176
CMYK	0.58, 0.00, 0.69, 0.08
HSL	110°, 79%, 60%
HSV	110°, 69%, 92%
XYZ	35.6295, 61.9102, 16.2029
YIQ	174.8680, -29.0540, -79.2140

# Conversions

## Conversions Part 2

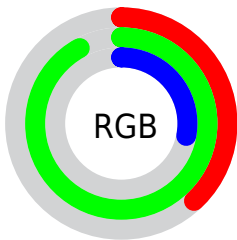
<b>Format</b>	<b>Color</b>
<b>RYB</b>	72, 234, 208
Decimal	6482504
CIELab	82.87, -65.63, 64.47
CIELCh	83, 91.999, 135.508
Yxy	61.9102, 0.3132, 0.5443
Android (android.graphics.Color)	4284672584 (0xFF62EA48)
YUV	174.8680, -50.7139, -67.4132
Hunter-Lab	78.6830, -56.8664, 42.8688

# Details

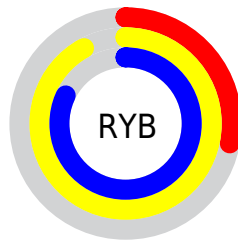
The XYZ color **35.6295, 61.9102, 16.2029** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **43.1850, 23.9876, 80.1993**, and the grayscale version is **40.9456, 43.0779, 46.9119**.

A 20% lighter version of the original color is **54.3542, 80.6556, 33.1254**, and **15.7472, 31.4572, 5.2419** is the 20% darker color. If you saturate the color by 10%, you get **33.1412, 60.7013, 12.8320**, and if you desaturate by 10%, it is **38.9313, 63.5086, 21.1300**.

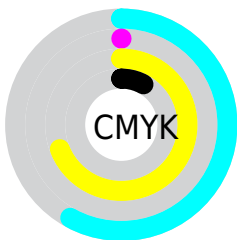
# Distribution



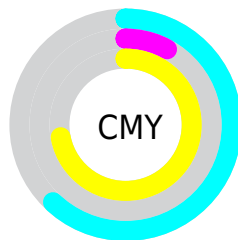
- Red (38%)
- Green (92%)
- Blue (28%)



- Red (28%)
- Yellow (92%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (69%)
- Black (8%)



- Cyan (62%)
- Magenta (8%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6295, 61.9102, 16.2029 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 35.6295, 61.9102, 16.2029 by changing the saturation by 10% instead.





 35.6295, 61.9102,  
16.2029


 35.6295, 61.9102,  
16.2029


318.7978,  
431.6035, 242.4225


 24.3170, 44.9601,  
9.5119


 67.7874, 107.5957,  
37.7218


 15.6949, 31.4260,  
4.9752


 89.3636, 137.1000,  
53.3868


 9.3980, 20.9235,  
2.1743


 115.0916,  
171.5578, 72.8802

 5.0609, 13.0681,  
0.6595

 145.3369,  
211.3535, 96.6205

 2.3181, 7.4754,  
0.0000

 180.4648,  
256.8715, 125.0264

 0.8039, 3.7612,  
0.0000

220.8407,

 0.0000, 1.5409,

308.4963, 158.5163

0.0000

266.8299,  
366.6121, 197.5088

■ 0.0000, 0.3172,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.6295, 61.9102,  
16.2029

■ 35.6295, 61.9102,  
16.2029

■ 33.1412, 60.7013,  
12.8320

■ 38.9313, 63.5086,  
21.1300

■ 31.3882, 59.8402,  
10.8273


■ 43.1066, 65.5185,  
27.7663


■ 30.2731, 59.2847,  
9.8994


■ 48.2144, 67.9691,  
36.2509


■ 30.2069, 59.2517,  
9.8447

■ 54.3075, 70.8851,  
46.7078

 61.4346, 74.2890,  
59.2499

 69.6409, 78.2020,  
73.9818

 78.9693, 82.6439,  
91.0010

 88.7141, 87.3282,  
106.7880

# Harmonies

## Analogous

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



49.2310, 61.9102, 7.4519



35.6295, 61.9102, 16.2029



29.1207, 61.9102, 43.6190

# Triad

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



35.6295, 61.9102, 16.2029



49.8126, 61.9102, 237.9196



103.7361, 61.9102, 42.2359

# Complementary

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



35.6295, 61.9102, 16.2029



43.1850, 23.9876, 80.1993

# 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.



103.9915, 61.9102, 98.5785



35.6295, 61.9102, 16.2029



69.6329, 61.9102, 236.7608

# Square

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



35.6295, 61.9102, 16.2029



35.9724, 61.9102, 179.0914



90.4315, 61.9102, 176.4802



89.7969, 61.9102, 15.6798



# Rectangle

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



35.6295, 61.9102, 16.2029



28.4769, 61.9102, 78.4376



90.4315, 61.9102, 176.4802



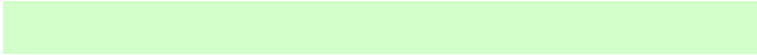
105.5142, 61.9102, 57.4671

# Sweetspot

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



35.6310, 61.9128, 16.2043



72.9461, 89.4661, 68.9603



57.4170, 62.5891, 15.1866



15.0859, 18.8976, 13.8285



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.



35.6310, 61.9128, 16.2043



39.2882, 73.2878, 14.3946



35.8632, 61.7326, 29.7658



15.0934, 16.9782, 16.0003



17.0422, 33.3300, 5.5351



1.4059, 2.6521, 0.4378



# Inverse Universe

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



43.1850, 23.9876, 80.1993



48.7573, 24.3516, 96.7383



44.4896, 25.4241, 45.7451



15.4637, 15.1843, 19.0381



21.2943, 10.0135, 44.5534

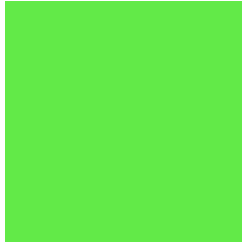


1.7356, 0.8191, 3.5015



# Previews

## White Background



This preview shows how the XYZ color 35.6295, 61.9102, 16.2029 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 35.6295, 61.9102, 16.2029 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

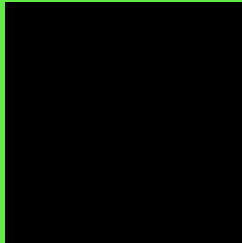
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

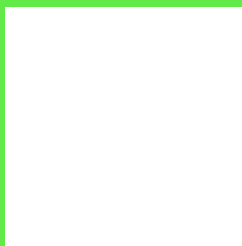
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.6295, 61.9102, 16.2029**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6295, 61.9102, 16.2029.



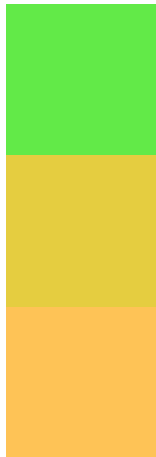
This preview shows how white text looks on a background with the XYZ color 35.6295, 61.9102,



# 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

35.6295, 61.9102, 16.2029

### Protanopia

55.0698, 60.6908, 13.6625

### Deuteranopia

62.0679, 60.7729, 17.2631



## Tritanopia

50.1447, 61.7057, 88.6244

# Trichromacy



## Original Color

35.6295, 61.9102, 16.2029



## Protanomaly

44.6250, 59.3407, 14.4121



## Deuteranomaly

47.3116, 58.0653, 16.4987



## Tritanomaly

42.2379, 60.4390, 50.5140

# Monochromacy



## Original Color

35.6295, 61.9102, 16.2029



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

36.3600, 47.5179, 31.3002

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6295, 61.9102, 16.2029 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(98, 234, 72)` looks like.

```
.text, #text, p{  
    color:rgb(98, 234, 72)  
}
```

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(98, 234, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 234, 72) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6295, 61.9102, 16.2029 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(98, 234, 72) }
```



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

```
.border{ border-color:rgb(98, 234, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 234, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 234, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 234, 72);  
box-shadow:4px 4px 4px 4px rgb(98, 234,  
72) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6295, 61.9102, 16.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 234, 72) }
```

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

```
.background{ background-color: rgb(98, 234,  
72) }
```

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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