

# Converting Colors

XYZ(35.0920, 60.0086, 13.7362)

Have a look what the booklet for  
XYZ(35.0920, 60.0086, 13.7362)  
contains.

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# Color

**XYZ(35.1239, 60.0249,  
13.7377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BE63A
RGB	107, 230, 58
RGB Percent	42%, 90%, 23%
CMY	0.5804, 0.0980, 0.7725
CMYK	0.53, 0.00, 0.75, 0.10
HSL	103°, 77%, 56%
HSV	103°, 75%, 90%
XYZ	35.1239, 60.0249, 13.7377
YIQ	173.6150, -18.0960, -79.5680

# Conversions

## Conversions Part 2

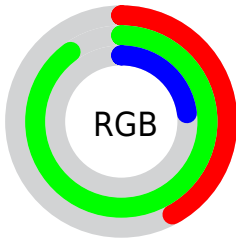
Format	Color
<a href="#">RYB</a>	<a href="#">58, 230, 181</a>
Decimal	<a href="#">7071290</a>
CIELab	<a href="#">81.85, -62.97, 68.40</a>
CIELCh	<a href="#">82, 92.971, 132.634</a>
Yxy	<a href="#">60.0249, 0.3226, 0.5513</a>
Android (android.graphics.Color)	<a href="#">4285261370 (0xFF6BE63A)</a>
YUV	<a href="#">173.6150, -56.9982, -58.4214</a>
Hunter-Lab	<a href="#">77.4757, -54.6589, 43.7199</a>

# Details

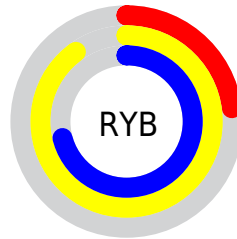
The XYZ color **35.1239, 60.0249, 13.7377** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **34.8557, 18.5653, 76.6126**, and the grayscale version is **40.3258, 42.4258, 46.2017**.

A 20% lighter version of the original color is **55.0608, 81.1058, 29.2760**, and **15.5708, 30.2105, 5.0105** is the 20% darker color. If you saturate the color by 10%, you get **32.8718, 58.9189, 11.2306**, and if you desaturate by 10%, it is **38.0162, 61.4344, 17.6403**.

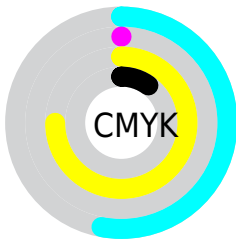
# Distribution



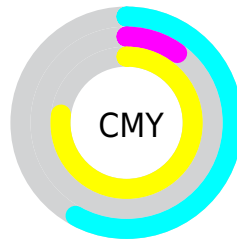
- Red (42%)
- Green (90%)
- Blue (23%)



- Red (23%)
- Yellow (90%)
- Blue (71%)



- Cyan (53%)
- Magenta (0%)
- Yellow (75%)
- Black (10%)




- Cyan (58%)
- Magenta (10%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1239, 60.0249, 13.7377 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 35.1239, 60.0249, 13.7377 by changing the saturation by 10% instead.





 35.1239, 60.0249,  
13.7377


 35.1239, 60.0249,  
13.7377


316.6133,  
424.6895, 226.9643

 23.9253, 43.4387,  
7.8018


 67.0104, 104.8658,  
33.3333

 15.4026, 30.2295,  
3.8824


 88.4290, 133.8893,  
47.8301


 9.1906, 20.0128,  
1.5611


 113.9851,  
167.8273, 66.0175

 4.9238, 12.4044,  
0.2628

 144.0438,  
207.0643, 88.3142

 2.2369, 7.0197,  
0.0000

 178.9707,  
251.9846, 115.1387

 0.7621, 3.4744,  
0.0000

219.1310,

 0.0000, 1.3841,

302.9727, 146.9095

0.0000

264.8901,  
360.4128, 184.0452

■ 0.0000, 0.2050,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.1239, 60.0249,  
13.7377

■ 35.1239, 60.0249,  
13.7377

■ 32.8718, 58.9189,  
11.2306

■ 38.0162, 61.4344,  
17.6403


■ 31.1963, 58.0826,  
9.9149


■ 41.5951, 63.1623,  
23.0979


■ 30.5124, 57.7376,  
9.5363


■ 45.9067, 65.2311,  
30.2527


■ 50.9920, 67.6593,  
39.2297

 56.8886, 70.4636,  
50.1421

 63.6313, 73.6599,  
63.0942

 71.2531, 77.2631,  
78.1824

 79.7851, 81.2870,  
95.4973

 87.5881, 85.0761,  
106.4127

# Harmonies

## Analogous

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



49.1917, 60.0249, 6.4562



35.1239, 60.0249, 13.7377



28.0882, 60.0249, 38.1201

# Triad

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



35.1239, 60.0249, 13.7377



46.5155, 60.0249, 232.2272



102.3522, 60.0249, 44.4589

# Complementary

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



35.1239, 60.0249, 13.7377



34.8557, 18.5653, 76.6126

# 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.



101.1662, 60.0249, 103.2033



35.1239, 60.0249, 13.7377



65.7076, 60.0249, 237.6464

# Square

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



35.1239, 60.0249, 13.7377



33.5535, 60.0249, 169.2524



86.6099, 60.0249, 181.4318



89.5526, 60.0249, 16.0911



# Rectangle

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



35.1239, 60.0249, 13.7377



27.0537, 60.0249, 70.4482



86.6099, 60.0249, 181.4318



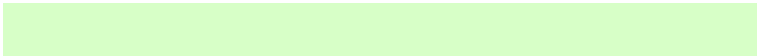
103.6474, 60.0249, 60.5170

# Sweetspot

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



35.1253, 60.0275, 13.7390



74.0463, 90.0678, 67.4541



49.3996, 49.1315, 10.8836



15.3751, 19.0533, 13.5395



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.



35.1253, 60.0275, 13.7390



40.2427, 73.8100, 13.0740



31.9929, 58.2757, 19.7807



14.5729, 16.2869, 15.2801



17.3775, 32.7399, 5.4035



1.3732, 2.4653, 0.4035



# Inverse Universe

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



34.8557, 18.5653, 76.6126



39.5507, 18.8361, 96.1589



44.0668, 23.8181, 54.2638



14.5741, 14.3982, 18.1553



16.9364, 7.7970, 42.9955

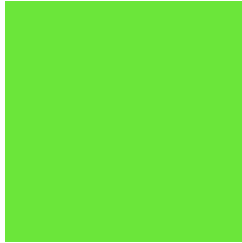


1.3417, 0.6226, 3.1814



# Previews

## White Background



This preview shows how the XYZ color 35.1239, 60.0249, 13.7377 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 35.1239, 60.0249, 13.7377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

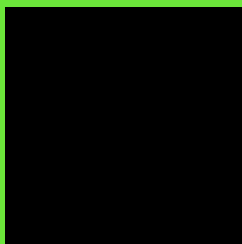
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

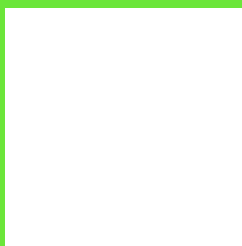
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.1239, 60.0249, 13.7377**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.1239, 60.0249, 13.7377.



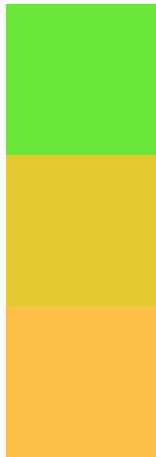
This preview shows how white text looks on a background with the XYZ color 35.1239, 60.0249,



# 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

35.1239, 60.0249, 13.7377

### Protanopia

53.3966, 58.8110, 11.6693

### Deuteranopia

60.1971, 58.8758, 14.4948



## Tritanopia

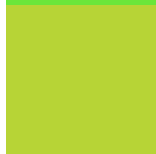
49.2595, 59.4083, 85.2146

# Trichromacy



## Original Color

35.1239, 60.0249, 13.7377



## Protanomaly

43.7378, 57.4206, 12.2681



## Deuteranomaly

46.6679, 56.7021, 13.9538



## Tritanomaly

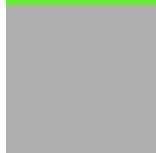
41.5070, 58.5630, 46.6523

# Monochromacy



## Original Color

35.1239, 60.0249, 13.7377



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

36.0343, 46.7335, 28.9511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1239, 60.0249, 13.7377 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(107, 230, 58)` looks like.

```
.text, #text, p{  
    color:rgb(107, 230, 58)  
}
```

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(107, 230, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 230, 58) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1239, 60.0249, 13.7377 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(107, 230, 58) }
```



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

```
.border{ border-color:rgb(107, 230, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 230, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 230, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 230, 58);  
box-shadow:4px 4px 4px 4px rgb(107, 230,  
58) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1239, 60.0249, 13.7377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 230, 58) }
```

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

```
.background{ background-color: rgb(107,  
230, 58) }
```

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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