

Converting Colors

XYZ(35.1882, 59.9400, 9.7150)

Have a look what the booklet for
XYZ(35.1882, 59.9400, 9.7150)
contains.

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Color

**XYZ(35.3670, 60.2385,
9.7632)**

Conversions

Conversions Part 1

Format	Color
Hex	73E600
RGB	115, 230, 0
RGB Percent	45%, 90%, 0%
CMY	0.5490, 0.0980, 0.9999
CMYK	0.50, 0.00, 1.00, 0.10
HSL	90°, 100%, 45%
HSV	90°, 100%, 90%
XYZ	35.3670, 60.2385, 9.7632
YIQ	169.3950, 5.2900, -95.9100

Conversions

Conversions Part 2

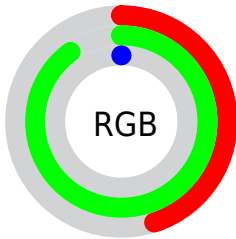
Format	Color
RYB	0, 230, 115
Decimal	7595520
CIELab	81.97, -62.64, 79.39
CIELCh	82, 101.131, 128.275
Yxy	60.2385, 0.3356, 0.5717
Android (android.graphics.Color)	4285785600 (0xFF73E600)
YUV	169.3950, -83.5117, -47.7044
Hunter-Lab	77.6135, -54.4845, 46.8712

Details

The XYZ color **35.3670, 60.2385, 9.7632** 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 **21.3592, 9.3616, 75.5476**, and the grayscale version is **38.3107, 40.3059, 43.8931**.

A 20% lighter version of the original color is **55.6529, 81.5717, 22.0442**, and **15.9823, 30.4226, 5.0298** is the 20% darker color. If you saturate the color by 10%, you get **35.3661, 60.2399, 9.7635**, and if you desaturate by 10%, it is **37.1314, 61.1321, 10.6550**.

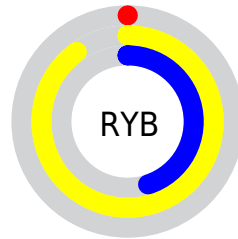
Distribution



Red (45%)

Green (90%)

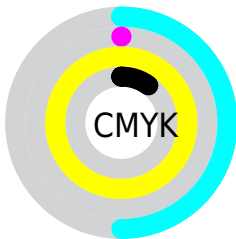
Blue (0%)



Red (0%)

Yellow (90%)

Blue (45%)

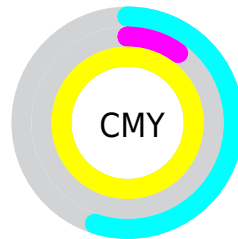


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (55%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3670, 60.2385, 9.7632 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 35.3670, 60.2385, 9.7632 by changing the saturation by 10% instead.


 35.3670, 60.2385,
9.7632


 35.3670, 60.2385,
9.7632


317.6650,
425.4763, 199.3966


 24.1136, 43.6109,
5.1387


 67.3842, 105.1756,
25.9500


 15.5431, 30.3647,
2.2687


 88.8787, 134.2538,
38.3493

 9.2902, 20.1156,
0.7136


 114.5175,
168.2511, 54.1773

 4.9896, 12.4791,
0.0000

 144.6661,
207.5517, 73.8525

 2.2758, 7.0708,
0.0000

 179.6898,
252.5402, 97.7935

 0.7823, 3.5064,
0.0000

 219.9539,

 0.0000, 1.4015,

303.6009, 126.4188

0.0000

265.8239,
361.1181, 160.1470

■ 0.0000, 0.2178,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.3670, 60.2385,
9.7632

■ 35.3670, 60.2385,
9.7632

■ 35.3661, 60.2399,
9.7635

■ 37.1314, 61.1321,
10.6550

■ 39.2737, 62.1973,
12.5236

■ 41.8602, 63.4636,
15.6792

■ 44.9309, 64.9474,
20.3011

■ 48.5201, 66.6633,
26.5402

■ 52.6582, 68.6241,
34.5286

■ 57.3731, 70.8415,
44.3847

■ 62.6904, 73.3263,
56.2167

■ 68.6340, 76.0886,
70.1243

Harmonies

Analogous

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



51.5362, 60.2385, 4.4386



35.3670, 60.2385, 9.7632



26.9122, 60.2385, 30.9320

Triad

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



35.3670, 60.2385, 9.7632



43.3382, 60.2385, 247.1889



108.3723, 60.2385, 50.0531

Complementary

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



35.3670, 60.2385, 9.7632



21.3592, 9.3616, 75.5476

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.



104.6013, 60.2385, 119.5758



35.3670, 60.2385, 9.7632



63.3817, 60.2385, 264.8904

Square

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



35.3670, 60.2385, 9.7632



30.6523, 60.2385, 168.9757



86.7029, 60.2385, 208.3586



96.0007, 60.2385, 16.3325

Rectangle

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



35.3670, 60.2385, 9.7632



25.1949, 60.2385, 62.1064



86.7029, 60.2385, 208.3586



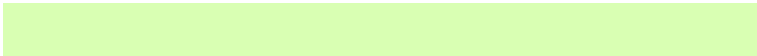
109.0003, 60.2385, 69.2004

Sweetspot

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



35.3684, 60.2411, 9.7645



72.3852, 89.4669, 55.8369



38.7677, 29.0896, 3.5725



14.9344, 18.8872, 10.7615



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.



35.3684, 60.2411, 9.7645



44.5838, 76.0688, 12.3329



28.2987, 56.5965, 9.4337



14.8724, 16.4413, 15.2941



20.1624, 34.1756, 5.5339



1.5971, 2.5807, 0.4139

Inverse Universe

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



21.3592, 9.3616, 75.5476



26.8803, 11.7722, 95.4633



46.9186, 22.5379, 76.7438



14.2661, 14.2394, 18.1409



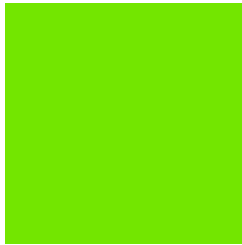
12.2315, 5.3715, 42.7753



1.0110, 0.4522, 3.1660

Previews

White Background



This preview shows how the XYZ color 35.3670, 60.2385, 9.7632 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 35.3670, 60.2385, 9.7632 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 35.3670, 60.2385, 9.7632

Background



This preview shows how black text looks on a background with the XYZ color 35.3670, 60.2385, 9.7632.



This preview shows how white text looks on a background with the XYZ color 35.3670, 60.2385,

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

35.3670, 60.2385, 9.7632

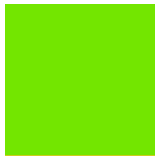
Deuteranopia

60.6027, 59.1645, 10.9151

Tritanopia

50.3244, 59.9736, 84.5250

Trichromacy



Original Color

35.3670, 60.2385, 9.7632



Deuteranomaly

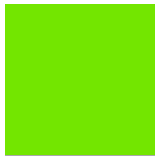
47.2075, 57.0737, 9.7565



Tritanomaly

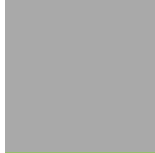
40.8513, 58.4439, 36.7315

Monochromacy



Original Color

35.3670, 60.2385, 9.7632



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.7320, 44.7339, 21.0440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3670, 60.2385, 9.7632 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(115, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 230, 0)  
}
```

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(115, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.3670, 60.2385, 9.7632 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(115, 230, 0) }
```

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

```
.border{ border-color:rgb(115, 230, 0) }
```

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

Here you see how a box with a 4 pixel rgb(115, 230, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 230,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 35.3670, 60.2385, 9.7632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 230, 0) }
```

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

```
.background{ background-color: rgb(115,  
230, 0) }
```

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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