

Converting Colors

XYZ(34.8205, 65.9467, 15.9537)

Have a look what the booklet for
XYZ(34.8205, 65.9467, 15.9537)
contains.

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Color

**XYZ(34.7730, 65.8399,
15.8767)**

Conversions

Conversions Part 1

Format	Color
Hex	35F441
RGB	53, 244, 65
RGB Percent	21%, 96%, 25%
CMY	0.7922, 0.0431, 0.7451
CMYK	0.78, 0.00, 0.73, 0.04
HSL	124°, 90%, 58%
HSV	124°, 78%, 96%
XYZ	34.7730, 65.8399, 15.8767
YIQ	166.4850, -56.3770, -96.1610

Conversions

Conversions Part 2

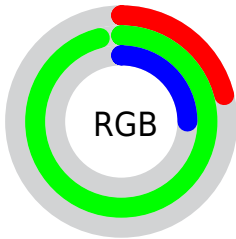
Format	Color
RYB	53, 233, 244
Decimal	3535937
CIELab	84.91, -77.37, 68.72
CIELCh	85, 103.485, 138.388
Yxy	65.8399, 0.2985, 0.5652
Android (android.graphics.Color)	4281726017 (0xFF35F441)
YUV	166.4850, -50.0321, -99.5263
Hunter-Lab	81.1418, -65.5026, 45.1982

Details

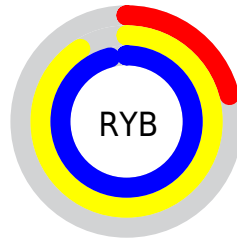
The XYZ color **34.7730, 65.8399, 15.8767** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **53.1480, 27.6062, 78.8695**, and the grayscale version is **36.7367, 38.6498, 42.0897**.

A 20% lighter version of the original color is **48.6952, 77.7754, 31.1845**, and **17.5589, 35.1178, 5.8530** is the 20% darker color. If you saturate the color by 10%, you get **33.2679, 65.1276, 13.0212**, and if you desaturate by 10%, it is **37.2012, 67.0010, 20.1769**.

Distribution



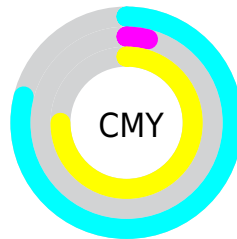
- Red (21%)
- Green (96%)
- Blue (25%)



- Red (21%)
- Yellow (91%)
- Blue (96%)



- Cyan (78%)
- Magenta (0%)
- Yellow (73%)
- Black (4%)



- Cyan (79%)
- Magenta (4%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7730, 65.8399, 15.8767 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 34.7730, 65.8399, 15.8767 by changing the saturation by 10% instead.

■ 34.7730, 65.8399,
15.8767

■ 34.7730, 65.8399,
15.8767

315.0908,
445.8041, 240.4339

■ 23.6538, 48.1424,
9.2835

■ 66.4703, 113.2565,
37.1478

■ 15.2003, 33.9397,
4.8272

■ 87.7791, 143.7445,
52.6629

■ 9.0473, 22.8473,
2.0893

■ 113.2151,
179.2647, 71.9889

■ 4.8294, 14.4808,
0.6094

■ 143.1436,
220.2016, 95.5446

■ 2.1813, 8.4558,
0.0000

■ 177.9302,
266.9396, 123.7484

■ 0.7328, 4.3880,
0.0000

217.9399,

■ 0.0000, 1.8929,

319.8631, 157.0188

0.0000

263.5384,
379.3565, 195.7745

■ 0.0000, 0.5441,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7730, 65.8399,
15.8767

■ 34.7730, 65.8399,
15.8767

■ 33.2679, 65.1276,
13.0212

■ 37.2012, 67.0010,
20.1769


■ 32.5245, 64.7791,
11.4178


■ 40.6639, 68.6592,
26.0734


■ 32.4407, 64.7395,
11.2509


■ 45.2616, 70.8652,
33.7036

■ 51.0817, 73.6617,
43.1889

 58.2029, 77.0867,
54.6399

 66.6974, 81.1754,
68.1585

 76.6322, 85.9601,
83.8396

 88.0696, 91.4713,
101.7719

 91.6420, 93.1840,
107.7640

Harmonies

Analogous

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



49.5205, 65.8399, 5.9251



34.7730, 65.8399, 15.8767



28.2323, 65.8399, 48.9005

Triad

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



34.7730, 65.8399, 15.8767



54.0122, 65.8399, 284.1592



115.2513, 65.8399, 38.4350

Complementary

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



34.7730, 65.8399, 15.8767



53.1480, 27.6062, 78.8695

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.



117.3164, 65.8399, 100.6413



34.7730, 65.8399, 15.8767



77.7519, 65.8399, 274.4712

Square

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



34.7730, 65.8399, 15.8767



37.3574, 65.8399, 216.1571



102.2644, 65.8399, 194.6043



97.1726, 65.8399, 12.2762

Rectangle

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



34.7730, 65.8399, 15.8767



27.9764, 65.8399, 92.0136



102.2644, 65.8399, 194.6043



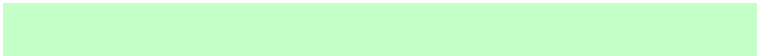
117.9811, 65.8399, 54.6012

Sweetspot

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



34.7746, 65.8426, 15.8782



69.0457, 87.4746, 67.9113



67.0756, 82.5305, 15.7629



14.0702, 18.3822, 13.4066



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.



34.7746, 65.8426, 15.8782



36.2010, 71.7197, 13.1884



39.9963, 67.9313, 43.3755



16.3244, 18.4889, 17.7269



17.6551, 35.2069, 6.2034



1.5662, 3.1001, 0.6217

Inverse Universe

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



53.1480, 27.6062, 78.8695



57.1332, 27.8974, 84.7588



43.2396, 23.6428, 26.6923



17.1660, 16.7493, 20.6208



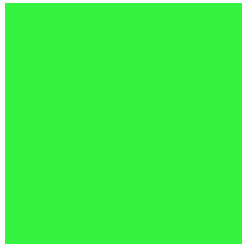
27.9699, 13.5314, 41.4116



2.4717, 1.1946, 3.7101

Previews

White Background



This preview shows how the XYZ color 34.7730, 65.8399, 15.8767 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 34.7730, 65.8399, 15.8767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

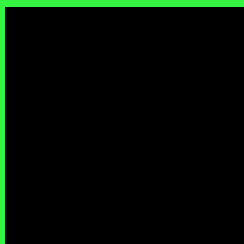
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7730, 65.8399, 15.8767

Background



This preview shows how black text looks on a background with the XYZ color 34.7730, 65.8399, 15.8767.

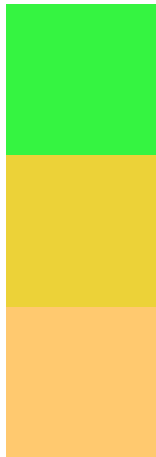


This preview shows how white text looks on a background with the XYZ color 34.7730, 65.8399,

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

34.7730, 65.8399, 15.8767

Protanopia

58.3525, 64.2116, 13.0599

Deuteranopia

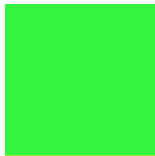
64.9959, 64.1810, 24.0014



Tritanopia

50.9335, 65.5201, 97.1510

Trichromacy



Original Color

34.7730, 65.8399, 15.8767



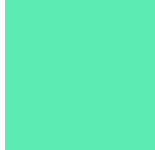
Protanomaly

43.2729, 60.9933, 13.6298



Deuteranomaly

46.1246, 60.3789, 19.8130



Tritanomaly

41.8775, 64.3146, 53.3868

Monochromacy



Original Color

34.7730, 65.8399, 15.8767



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

31.7117, 44.5285, 27.6924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7730, 65.8399, 15.8767 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(53, 244, 65)` looks like.

```
.text, #text, p{  
    color:rgb(53, 244, 65)  
}
```

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(53, 244, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 244, 65) }
```

Border

The CSS property to change the border of an element to XYZ 34.7730, 65.8399, 15.8767 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(53, 244, 65) }
```


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

```
.border{ border-color:rgb(53, 244, 65) }
```

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

Here you see how a box with a 4 pixel rgb(53, 244, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 244, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 244, 65);  
box-shadow:4px 4px 4px 4px rgb(53, 244,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7730, 65.8399, 15.8767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 244, 65) }
```

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

```
.background{ background-color: rgb(53, 244,  
65) }
```

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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