

Converting Colors

XYZ(35.1870, 66.2373, 18.3582)

Have a look what the booklet for
XYZ(35.1870, 66.2373, 18.3582)
contains.

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Color

**XYZ(35.3303, 66.5223,
18.3751)**

Conversions

Conversions Part 1

Format	Color
Hex	31F54F
RGB	49, 245, 79
RGB Percent	19%, 96%, 31%
CMY	0.8078, 0.0392, 0.6902
CMYK	0.80, 0.00, 0.68, 0.04
HSL	129°, 91%, 58%
HSV	129°, 80%, 96%
XYZ	35.3303, 66.5223, 18.3751
YIQ	167.4720, -63.5300, -93.1780

Conversions

Conversions Part 2

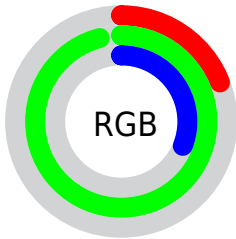
Format	Color
RYB	49, 219, 245
Decimal	3274063
CIELab	85.26, -76.97, 64.07
CIELCh	85, 100.143, 140.227
Yxy	66.5223, 0.2939, 0.5533
Android (android.graphics.Color)	4281464143 (0xFF31F54F)
YUV	167.4720, -43.6167, -103.8999
Hunter-Lab	81.5612, -65.4103, 43.7353

Details

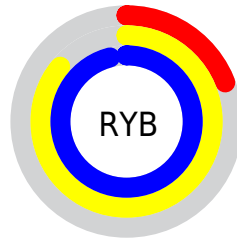
The XYZ color **35.3303, 66.5223, 18.3751** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **51.0218, 26.5163, 66.7190**, and the grayscale version is **37.1912, 39.1281, 42.6105**.

A 20% lighter version of the original color is **49.1864, 77.9364, 35.3725**, and **17.8032, 35.5538, 6.0965** is the 20% darker color. If you saturate the color by 10%, you get **33.8127, 65.8159, 14.9588**, and if you desaturate by 10%, it is **37.7280, 67.6590, 23.0656**.

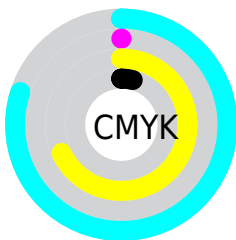
Distribution



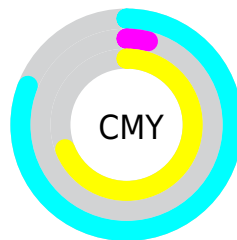
- Red (19%)
- Green (96%)
- Blue (31%)



- Red (19%)
- Yellow (86%)
- Blue (96%)



- Cyan (80%)
- Magenta (0%)
- Yellow (68%)
- Black (4%)





- Cyan (81%)
- Magenta (4%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3303, 66.5223, 18.3751 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 35.3303, 66.5223, 18.3751 by changing the saturation by 10% instead.


 35.3303, 66.5223,
18.3751


 35.3303, 66.5223,
18.3751


317.5064,
448.2425, 255.2836


 24.0851, 48.6965,
11.0474


 67.3278, 114.2356,
41.4980


 15.5219, 34.3788,
5.9842


 88.8108, 144.8920,
58.1303


 9.2751, 23.1848,
2.7668

 114.4372,
180.5940, 78.7012

 4.9796, 14.7300,
0.9768

 144.5722,
221.7260, 103.6292

 2.2699, 8.6301,
0.0000

 179.5813,
268.6725, 133.3329

 0.7792, 4.5007,
0.0000

219.8298,

 0.0000, 1.9574,

321.8178, 168.2309

0.0000

265.6831,
381.5463, 208.7416

■ 0.0000, 0.5826,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.3303, 66.5223,
18.3751

■ 35.3303, 66.5223,
18.3751

■ 33.8127, 65.8159,
14.9588

■ 37.7280, 67.6590,
23.0656


■ 32.9957, 65.4442,
12.6851


■ 41.1119, 69.2726,
29.1346


■ 32.9957, 65.4442,
12.6851


■ 45.5778, 71.4125,
36.6807

■ 51.2089, 74.1196,
45.7922

 58.0799, 77.4307,
56.5506

 66.2594, 81.3796,
69.0314

 75.8109, 85.9975,
83.3057

 86.7936, 91.3136,
99.4406

 91.9437, 93.7875,
107.8646

Harmonies

Analogous

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



49.3429, 66.5223, 7.1324



35.3303, 66.5223, 18.3751



29.3054, 66.5223, 53.2675

Triad

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



35.3303, 66.5223, 18.3751



56.1240, 66.5223, 277.7753



113.4862, 66.5223, 37.3201

Complementary

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



35.3303, 66.5223, 18.3751



51.0218, 26.5163, 66.7190

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.



116.5443, 66.5223, 95.7154



35.3303, 66.5223, 18.3751



79.4991, 66.5223, 263.6225

Square

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



35.3303, 66.5223, 18.3751



39.2722, 66.5223, 216.6641



102.9214, 66.5223, 185.0080



95.3561, 66.5223, 12.6620

Rectangle

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



35.3303, 66.5223, 18.3751



29.3413, 66.5223, 96.8906



102.9214, 66.5223, 185.0080



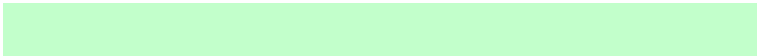
116.4544, 66.5223, 52.4795

Sweetspot

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



35.3319, 66.5251, 18.3766



68.7564, 87.2827, 69.8287



61.4101, 80.0679, 15.1238



14.0417, 18.3562, 13.9141



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.



35.3319, 66.5251, 18.3766



36.4145, 71.7965, 14.7001



41.7968, 69.1110, 52.4206



16.3856, 18.5134, 18.0489



17.8061, 35.2673, 6.9988



1.5952, 3.1117, 0.7744

Inverse Universe

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



51.0218, 26.5163, 66.7190



53.9436, 26.5186, 68.2803



42.0025, 22.9085, 19.2239



17.0982, 16.7221, 20.2637



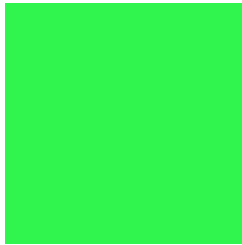
26.4280, 12.9146, 33.2917



2.3516, 1.1466, 3.0780

Previews

White Background



This preview shows how the XYZ color 35.3303, 66.5223, 18.3751 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 35.3303, 66.5223, 18.3751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

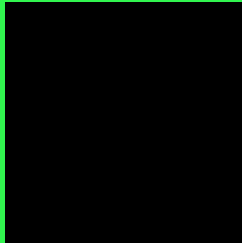
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.3303, 66.5223, 18.3751

Background



This preview shows how black text looks on a background with the XYZ color 35.3303, 66.5223, 18.3751.

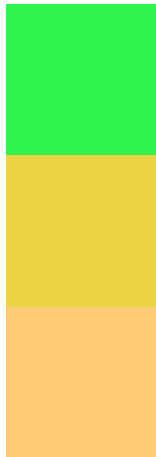


This preview shows how white text looks on a background with the XYZ color 35.3303, 66.5223,

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

35.3303, 66.5223, 18.3751

Protanopia

58.9918, 64.8636, 15.2051

Deuteranopia

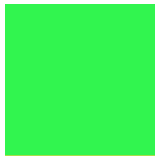
65.6305, 64.8091, 26.1898



Tritanopia

51.2693, 66.0671, 98.8570

Trichromacy



Original Color

35.3303, 66.5223, 18.3751



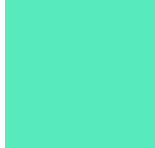
Protanomaly

43.7387, 61.5812, 15.8844



Deuteranomaly

46.3925, 60.8456, 22.3959



Tritanomaly

42.6085, 65.0308, 57.3202

Monochromacy



Original Color

35.3303, 66.5223, 18.3751



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.2005, 45.0646, 29.9229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3303, 66.5223, 18.3751 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(49, 245, 79)` looks like.

```
.text, #text, p{  
  color:rgb(49, 245, 79)  
}
```

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(49, 245, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 245, 79) }
```

Border

The CSS property to change the border of an element to XYZ 35.3303, 66.5223, 18.3751 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(49, 245, 79) }
```


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

```
.border{ border-color:rgb(49, 245, 79) }
```

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

Here you see how a box with a 4 pixel rgb(49, 245, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 245, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 245, 79);  
box-shadow:4px 4px 4px 4px rgb(49, 245,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3303, 66.5223, 18.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 245, 79) }
```

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

```
.background{ background-color: rgb(49, 245,  
79) }
```

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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