

Converting Colors

XYZ(34.9610, 63.4848, 18.6566)

Have a look what the booklet for
XYZ(34.9610, 63.4848, 18.6566)
contains.

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Color

**XYZ(35.1003, 63.7353,
18.6358)**

Conversions

Conversions Part 1

Format	Color
Hex	48EF53
RGB	72, 239, 83
RGB Percent	28%, 94%, 33%
CMY	0.7176, 0.0627, 0.6745
CMYK	0.70, 0.00, 0.65, 0.06
HSL	124°, 84%, 61%
HSV	124°, 70%, 94%
XYZ	35.1003, 63.7353, 18.6358
YIQ	171.2830, -49.4560, -83.9200

Conversions

Conversions Part 2

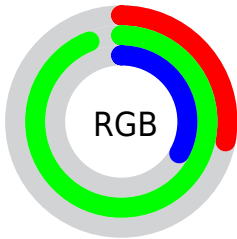
Format	Color
RYB	72, 229, 239
Decimal	4779859
CIELab	83.83, -71.57, 61.07
CIELCh	84, 94.085, 139.524
Yxy	63.7353, 0.2988, 0.5426
Android (android.graphics.Color)	4282969939 (0xFF48EF53)
YUV	171.2830, -43.5235, -87.0712
Hunter-Lab	79.8344, -61.2302, 42.0440

Details

The XYZ color **35.1003, 63.7353, 18.6358** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **51.9190, 28.5876, 76.1799**, and the grayscale version is **39.0824, 41.1177, 44.7772**.

A 20% lighter version of the original color is **51.3320, 79.0177, 36.5912**, and **16.6414, 33.0948, 6.1269** is the 20% darker color. If you saturate the color by 10%, you get **32.9251, 62.6999, 14.7367**, and if you desaturate by 10%, it is **38.2480, 65.2438, 24.0313**.

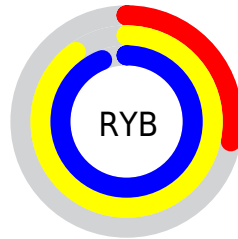
Distribution



Red (28%)

Green (94%)

Blue (33%)



Red (28%)

Yellow (90%)

Blue (94%)

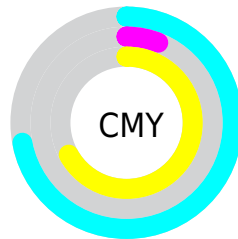


Cyan (70%)

Magenta (0%)

Yellow (65%)

Black (6%)



Cyan (72%)

Magenta (6%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1003, 63.7353, 18.6358 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 35.1003, 63.7353, 18.6358 by changing the saturation by 10% instead.

35.1003, 63.7353,
18.6358

35.1003, 63.7353,
18.6358

316.5111,
438.2331, 256.7861

23.9070, 46.4363,
11.2333

66.9741, 110.2296,
41.9462

15.3890, 32.5903,
6.1078

88.3854, 140.1938,
58.6912

9.1810, 21.8127,
2.8409

113.9333,
175.1484, 79.3875

4.9175, 13.7194,
1.0140

143.9833,
215.4780, 104.4535

2.2332, 7.9257,
0.0000

178.9008,
261.5668, 134.3078

0.7601, 4.0475,
0.0000

219.0510,

0.0000, 1.7002,

313.7994, 169.3690

0.0000

264.7993,
372.5600, 210.0556

■ 0.0000, 0.4238,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.1003, 63.7353,
18.6358

■ 35.1003, 63.7353,
18.6358

■ 32.9251, 62.6999,
14.7367

■ 38.2480, 65.2438,
24.0313

■ 31.6048, 62.0745,
12.1797


■ 42.4596, 67.2639,
31.0489


■ 30.9653, 61.7750,
10.7831


■ 47.8208, 69.8395,
39.8063


■ 30.9595, 61.7723,
10.7720

■ 54.4075, 73.0072,
50.4087

 62.2890, 76.8007,
62.9532

 71.5294, 81.2513,
77.5300

 82.1887, 86.3879,
94.2238

 90.1578, 90.2156,
107.2693

Harmonies

Analogous

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



48.2453, 63.7353, 7.9072



35.1003, 63.7353, 18.6358



29.3031, 63.7353, 50.6927

Triad

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



35.1003, 63.7353, 18.6358



53.6366, 63.7353, 252.2333



106.2791, 63.7353, 37.8889

Complementary

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



35.1003, 63.7353, 18.6358



51.9190, 28.5876, 76.1799

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.



108.6565, 63.7353, 92.2146



35.1003, 63.7353, 18.6358



74.8525, 63.7353, 241.4083

Square

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



35.1003, 63.7353, 18.6358



38.2718, 63.7353, 196.9492



96.1116, 63.7353, 172.5844



90.2075, 63.7353, 13.8358

Rectangle

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



35.1003, 63.7353, 18.6358



29.2325, 63.7353, 89.9807



96.1116, 63.7353, 172.5844



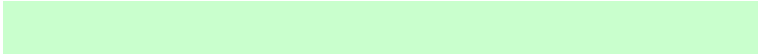
108.8260, 63.7353, 52.2191

Sweetspot

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



35.1018, 63.7379, 18.6372



70.9854, 88.4067, 71.0671



64.8810, 79.1349, 17.9859



14.6303, 18.6514, 14.3164



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.



35.1018, 63.7379, 18.6372



37.3540, 72.2623, 15.5830



40.2278, 65.7883, 45.6303



15.6081, 17.6733, 16.9594



17.1245, 34.1418, 6.0385



1.4393, 2.8462, 0.5797

Inverse Universe

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



51.9190, 28.5876, 76.1799



57.8860, 29.1761, 85.7096



43.1939, 25.0976, 30.2341



16.4067, 16.0124, 19.6977



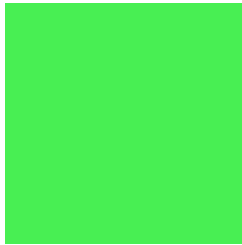
27.0700, 13.1004, 39.8810



2.2654, 1.0952, 3.3886

Previews

White Background



This preview shows how the XYZ color 35.1003, 63.7353, 18.6358 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 35.1003, 63.7353, 18.6358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

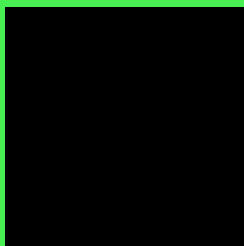
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.1003, 63.7353, 18.6358

Background



This preview shows how black text looks on a background with the XYZ color 35.1003, 63.7353, 18.6358.

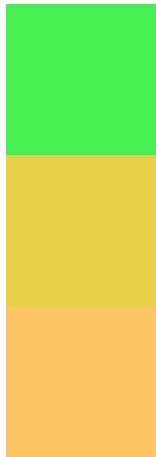


This preview shows how white text looks on a background with the XYZ color 35.1003, 63.7353,

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

35.1003, 63.7353, 18.6358

Protanopia

56.5039, 62.1090, 15.4887

Deuteranopia

63.5065, 62.1126, 20.6984



Tritanopia

50.0188, 63.5040, 93.6256

Trichromacy



Original Color

35.1003, 63.7353, 18.6358



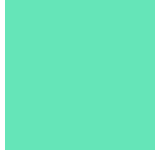
Protanomaly

43.9047, 60.0831, 16.3044



Deuteranomaly

46.3029, 58.5865, 19.4576



Tritanomaly

42.0379, 62.2660, 55.1503

Monochromacy



Original Color

35.1003, 63.7353, 18.6358



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.3918, 46.4948, 31.5879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1003, 63.7353, 18.6358 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(72, 239, 83)` looks like.

```
.text, #text, p{  
    color:rgb(72, 239, 83)  
}
```

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(72, 239, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 239, 83) }
```

Border

The CSS property to change the border of an element to XYZ 35.1003, 63.7353, 18.6358 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(72, 239, 83) }
```


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

```
.border{ border-color:rgb(72, 239, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 239, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 239, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 239, 83);  
box-shadow:4px 4px 4px 4px rgb(72, 239,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1003, 63.7353, 18.6358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 239, 83) }
```

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

```
.background{ background-color: rgb(72, 239,  
83) }
```

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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