

Converting Colors

XYZ(35.8688, 63.7897, 18.6209)

Have a look what the booklet for
XYZ(35.8688, 63.7897, 18.6209)
contains.

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Color

**XYZ(35.7920, 63.6584,
18.5845)**

Conversions

Conversions Part 1

Format	Color
Hex	54EE53
RGB	84, 238, 83
RGB Percent	33%, 93%, 33%
CMY	0.6706, 0.0666, 0.6745
CMYK	0.65, 0.00, 0.65, 0.07
HSL	120°, 82%, 63%
HSV	120°, 65%, 93%
XYZ	35.7920, 63.6584, 18.5845
YIQ	174.2840, -42.0290, -80.8530

Conversions

Conversions Part 2

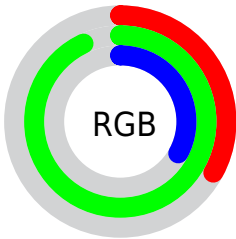
Format	Color
RYB	83, 238, 237
Decimal	5566035
CIELab	83.79, -69.05, 61.11
CIElCh	84, 92.208, 138.494
Yxy	63.6584, 0.3032, 0.5393
Android (android.graphics.Color)	4283756115 (0xFF54EE53)
YUV	174.2840, -45.0030, -79.1791
Hunter-Lab	79.7862, -59.5510, 42.0400

Details

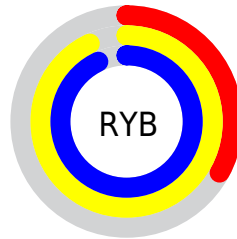
The XYZ color **35.7920, 63.6584, 18.5845** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **53.4550, 30.3667, 83.9362**, and the grayscale version is **40.6195, 42.7349, 46.5383**.

A 20% lighter version of the original color is **52.9251, 79.8390, 36.6658**, and **16.6414, 33.0948, 6.1269** is the 20% darker color. If you saturate the color by 10%, you get **33.2554, 62.4412, 14.4652**, and if you desaturate by 10%, it is **39.3610, 65.3752, 24.4004**.

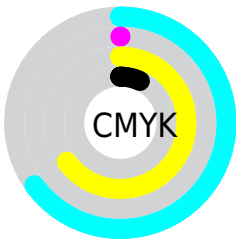
Distribution



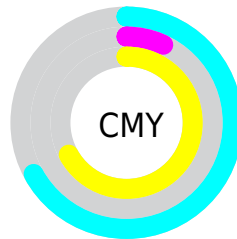
- Red (33%)
- Green (93%)
- Blue (33%)



- Red (33%)
- Yellow (93%)
- Blue (93%)



- Cyan (65%)
- Magenta (0%)
- Yellow (65%)
- Black (7%)





- Cyan (67%)
- Magenta (7%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7920, 63.6584, 18.5845 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 35.7920, 63.6584, 18.5845 by changing the saturation by 10% instead.


 35.7920, 63.6584,
18.5845


 35.7920, 63.6584,
18.5845


319.4976,
437.9550, 256.4911


 24.4430, 46.3741,
11.1967


 68.0369, 110.1188,
41.8581


 15.7890, 32.5411,
6.0834


 89.6634, 140.0637,
58.5810

 9.4649, 21.7751,
2.8263


 115.4465,
174.9975, 79.2526

 5.1052, 13.6918,
1.0066

 145.7515,
215.3047, 104.2915

 2.3445, 7.9066,
0.0000

180.9438,
261.3697, 134.1163

 0.8173, 4.0352,
0.0000

221.3886,

 0.0000, 1.6933,

313.5768, 169.1455

0.0000

267.4515,
372.3104, 209.7976

■ 0.0000, 0.4193,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7920, 63.6584,
18.5845

■ 35.7920, 63.6584,
18.5845

■ 33.2554, 62.4412,
14.4652

■ 39.3610, 65.3752,
24.4004

■ 31.6376, 61.6633,
11.8565


■ 44.0518, 67.6286,
32.0648


■ 30.8066, 61.2632,
10.5366


■ 49.9491, 70.4612,
41.7174

■ 30.5949, 61.1615,
10.1928

■ 57.1284, 73.9093,
53.4833

 65.6590, 78.0061,
67.4777

 75.6052, 82.7824,
83.8070

 87.0271, 88.2671,
102.5710

 89.8658, 89.6316,
107.1719

Harmonies

Analogous

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



48.9823, 63.6584, 8.2414



35.7920, 63.6584, 18.5845



29.8236, 63.6584, 49.3752

Triad

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



35.7920, 63.6584, 18.5845



53.0706, 63.6584, 245.9097



105.4202, 63.6584, 39.6316

Complementary

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



35.7920, 63.6584, 18.5845



53.4550, 30.3667, 83.9362

Split Complementary

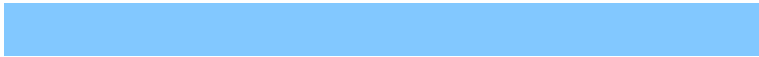
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.2077, 63.6584, 94.0041



35.7920, 63.6584, 18.5845



73.7073, 63.6584, 237.8217

Square

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



35.7920, 63.6584, 18.5845



38.2078, 63.6584, 190.7515



94.5759, 63.6584, 172.5033



90.1302, 63.6584, 14.8698

Rectangle

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



35.7920, 63.6584, 18.5845



29.6025, 63.6584, 87.1118



94.5759, 63.6584, 172.5033



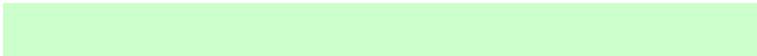
107.7286, 63.6584, 54.1208

Sweetspot

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



35.7935, 63.6611, 18.5859



71.6508, 88.7633, 70.4834



66.6519, 78.4606, 19.8161



14.7472, 18.7161, 14.1201



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.



35.7935, 63.6611, 18.5859



38.1852, 72.6875, 15.7717



40.3083, 65.4568, 42.8222



15.5753, 17.6612, 16.7378



17.0723, 34.1226, 5.6865



1.4235, 2.8404, 0.4732

Inverse Universe

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



53.4550, 30.3667, 83.9362



60.2407, 31.0766, 97.4311



44.9738, 27.0127, 37.5353



16.4437, 16.0260, 19.9483



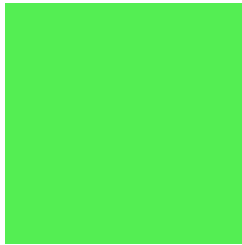
28.0008, 13.4404, 46.2463



2.3326, 1.1198, 3.8474

Previews

White Background



This preview shows how the XYZ color 35.7920, 63.6584, 18.5845 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 35.7920, 63.6584, 18.5845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

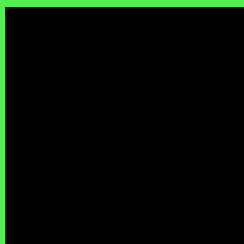
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7920, 63.6584, 18.5845

Background



This preview shows how black text looks on a background with the XYZ color 35.7920, 63.6584, 18.5845.



This preview shows how white text looks on a background with the XYZ color 35.7920, 63.6584,

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

35.7920, 63.6584, 18.5845

Protanopia

56.5039, 62.1090, 15.4887

Deuteranopia

63.5065, 62.1126, 20.6984



Tritanopia

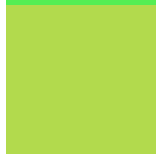
50.5770, 63.4113, 92.7930

Trichromacy



Original Color

35.7920, 63.6584, 18.5845



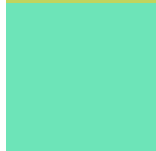
Protanomaly

44.7711, 60.1436, 16.2704



Deuteranomaly

47.5562, 59.2326, 19.5162



Tritanomaly

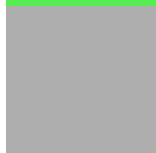
42.7018, 62.1987, 55.1023

Monochromacy



Original Color

35.7920, 63.6584, 18.5845



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

35.7585, 47.5183, 32.4866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7920, 63.6584, 18.5845 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(84, 238, 83)` looks like.

```
.text, #text, p{  
    color:rgb(84, 238, 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(84, 238, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 238, 83) }
```

Border

The CSS property to change the border of an element to XYZ 35.7920, 63.6584, 18.5845 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(84, 238, 83) }
```


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

```
.border{ border-color:rgb(84, 238, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 238, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 238, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 238, 83);  
box-shadow:4px 4px 4px 4px rgb(84, 238,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7920, 63.6584, 18.5845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 238, 83) }
```

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

```
.background{ background-color: rgb(84, 238,  
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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