

Converting Colors

XYZ(35.0958, 62.0069, 18.7136)

Have a look what the booklet for
XYZ(35.0958, 62.0069, 18.7136)
contains.

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Color

**XYZ(35.0943, 62.0038,
18.7126)**

Conversions

Conversions Part 1

Format	Color
Hex	55EB55
RGB	85, 235, 85
RGB Percent	33%, 92%, 33%
CMY	0.6667, 0.0784, 0.6666
CMYK	0.64, 0.00, 0.64, 0.08
HSL	120°, 79%, 63%
HSV	120°, 64%, 92%
XYZ	35.0943, 62.0038, 18.7126
YIQ	173.0500, -41.2500, -78.4500

Conversions

Conversions Part 2

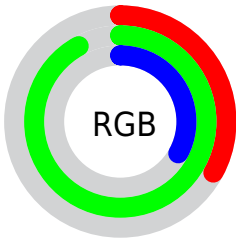
Format	Color
R _Y B	85, 235, 235
Decimal	5630805
CIE Lab	82.92, -67.66, 59.35
CIE LCh	83, 89.997, 138.743
Yxy	62.0038, 0.3030, 0.5354
Android (android.graphics.Color)	4283820885 (0xFF55EB55)
YUV	173.0500, -43.4086, -77.2198
Hunter-Lab	78.7425, -58.2447, 41.0299

Details

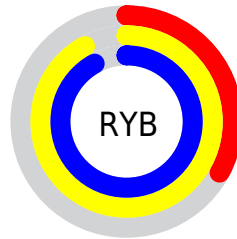
The XYZ color **35.0943, 62.0038, 18.7126** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **52.5063, 30.1581, 81.6510**, and the grayscale version is **39.9769, 42.0588, 45.8021**.

A 20% lighter version of the original color is **53.0713, 79.8975, 37.4356**, and **16.0853, 31.9067, 6.1750** is the 20% darker color. If you saturate the color by 10%, you get **32.5209, 60.7696, 14.5022**, and if you desaturate by 10%, it is **38.6887, 63.7322, 24.5910**.

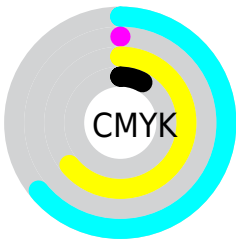
Distribution



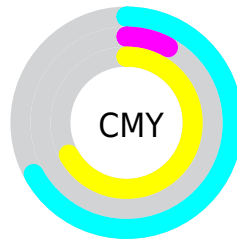
- Red (33%)
- Green (92%)
- Blue (33%)



- Red (33%)
- Yellow (92%)
- Blue (92%)



- Cyan (64%)
- Magenta (0%)
- Yellow (64%)
- Black (8%)



- Cyan (67%)
- Magenta (8%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0943, 62.0038, 18.7126 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 35.0943, 62.0038, 18.7126 by changing the saturation by 10% instead.

35.0943, 62.0038,
18.7126

35.0943, 62.0038,
18.7126

316.4851,
431.9450, 257.2272

23.9024, 45.0358,
11.2881

66.9649, 107.7310,
42.0781

15.3856, 31.4856,
6.1444

88.3743, 137.2590,
58.8562

9.1785, 20.9689,
2.8628

113.9202,
171.7424, 79.5892

4.9158, 13.1013,
1.0250

143.9680,
211.5657, 104.6957

2.2322, 7.4983,
0.0000

178.8830,
257.1132, 134.5942

0.7596, 3.7757,
0.0000

219.0306,

0.0000, 1.5489,

308.7693, 169.7032

0.0000

264.7762,
366.9184, 210.4414

■ 0.0000, 0.3228,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0943, 62.0038,
18.7126

■ 35.0943, 62.0038,
18.7126

■ 32.5209, 60.7696,
14.5022

■ 38.6887, 63.7322,
24.5910

■ 30.8588, 59.9712,
11.7833


■ 43.3906, 65.9908,
32.2819


■ 29.9812, 59.5496,
10.3477


■ 49.2824, 68.8210,
41.9190

■ 29.7096, 59.4191,
9.9034

■ 56.4375, 72.2579,
53.6224

 64.9233, 76.3341,
67.5023

 74.8024, 81.0795,
83.6612

 86.1336, 86.5225,
102.1951

 88.9996, 87.8991,
106.8832

Harmonies

Analogous

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



47.7364, 62.0038, 8.4529



35.0943, 62.0038, 18.7126



29.3860, 62.0038, 48.7225

Triad

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



35.0943, 62.0038, 18.7126



51.9435, 62.0038, 235.9452



101.8077, 62.0038, 38.6636

Complementary

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



35.0943, 62.0038, 18.7126



52.5063, 30.1581, 81.6510

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.



103.6339, 62.0038, 90.5996



35.0943, 62.0038, 18.7126



71.7557, 62.0038, 227.7260

Square

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



35.0943, 62.0038, 18.7126



37.5896, 62.0038, 183.9473



91.6748, 62.0038, 165.3643



87.1272, 62.0038, 14.8240

Rectangle

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



35.0943, 62.0038, 18.7126



29.2075, 62.0038, 85.0945



91.6748, 62.0038, 165.3643



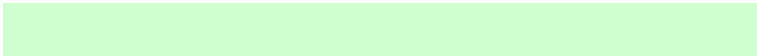
104.0489, 62.0038, 52.5347

Sweetspot

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



35.0958, 62.0064, 18.7140



72.5743, 89.2038, 72.1373



65.6116, 77.7379, 20.1412



14.9229, 18.7998, 14.4411



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.



35.0958, 62.0064, 18.7140



38.3235, 72.7514, 16.1136



39.8013, 63.8886, 43.4928



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5115



1.2983, 2.5966, 0.4328

Inverse Universe

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



52.5063, 30.1581, 81.6510



60.8351, 31.5717, 97.4906



43.8563, 26.6981, 36.1005



15.7149, 15.3138, 19.0497



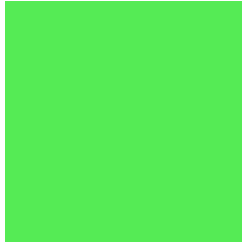
27.4129, 13.1678, 44.8370



2.1526, 1.0340, 3.5208

Previews

White Background



This preview shows how the XYZ color 35.0943, 62.0038, 18.7126 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 35.0943, 62.0038, 18.7126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

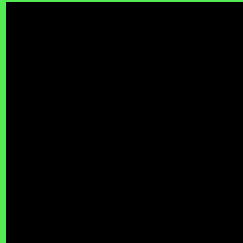
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.0943, 62.0038, 18.7126

Background



This preview shows how black text looks on a background with the XYZ color 35.0943, 62.0038, 18.7126.

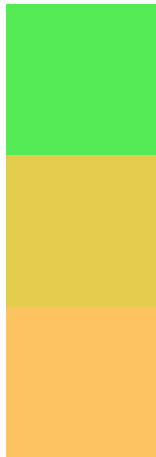


This preview shows how white text looks on a background with the XYZ color 35.0943, 62.0038,

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

35.0943, 62.0038, 18.7126

Protanopia

55.1307, 60.6784, 15.6439

Deuteranopia

62.1808, 60.7759, 19.7629



Tritanopia

49.1942, 61.5704, 90.1804

Trichromacy



Original Color

35.0943, 62.0038, 18.7126



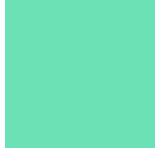
Protanomaly

43.8716, 58.9064, 16.4549



Deuteranomaly

46.7606, 58.0900, 19.1039



Tritanomaly

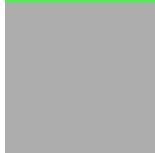
41.6754, 60.4790, 53.7331

Monochromacy



Original Color

35.0943, 62.0038, 18.7126



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.5322, 47.0657, 32.4111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0943, 62.0038, 18.7126 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(85, 235, 85)` looks like.

```
.text, #text, p{  
    color:rgb(85, 235, 85)  
}
```

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(85, 235, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 235, 85) }
```

Border

The CSS property to change the border of an element to XYZ 35.0943, 62.0038, 18.7126 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(85, 235, 85) }
```


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

```
.border{ border-color:rgb(85, 235, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 235, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 235, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 235, 85);  
box-shadow:4px 4px 4px 4px rgb(85, 235,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0943, 62.0038, 18.7126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 235, 85) }
```

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

```
.background{ background-color: rgb(85, 235,  
85) }
```

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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