

Converting Colors

XYZ(36.4345, 63.1186, 19.0667)

Have a look what the booklet for
XYZ(36.4345, 63.1186, 19.0667)
contains.

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Color

**XYZ(36.3945, 63.0957,
19.0646)**

Conversions

Conversions Part 1

Format	Color
Hex	5FEC56
RGB	95, 236, 86
RGB Percent	37%, 93%, 34%
CMY	0.6274, 0.0745, 0.6627
CMYK	0.60, 0.00, 0.64, 0.07
HSL	116°, 80%, 63%
HSV	116°, 64%, 93%
XYZ	36.3945, 63.0957, 19.0646
YIQ	176.7410, -35.8860, -76.5420

Conversions

Conversions Part 2

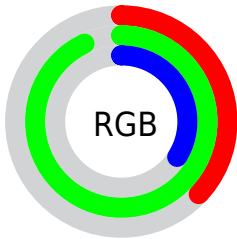
Format	Color
RYB	86, 236, 227
Decimal	6286422
CIELab	83.49, -65.77, 59.65
CIELCh	83, 88.790, 137.792
Yxy	63.0957, 0.3070, 0.5322
Android (android.graphics.Color)	4284476502 (0xFF5FEC56)
YUV	176.7410, -44.7353, -71.6869
Hunter-Lab	79.4328, -57.2223, 41.3728

Details

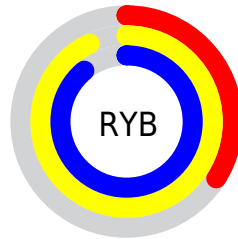
The XYZ color **36.3945, 63.0957, 19.0646** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **50.1503, 29.0450, 82.3233**, and the grayscale version is **41.8962, 44.0781, 48.0011**.

A 20% lighter version of the original color is **54.6683, 80.7122, 37.8970**, and **16.3066, 32.3148, 6.3552** is the 20% darker color. If you saturate the color by 10%, you get **33.6111, 61.7550, 14.7642**, and if you desaturate by 10%, it is **40.1508, 64.9054, 25.0512**.

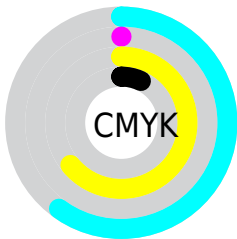
Distribution



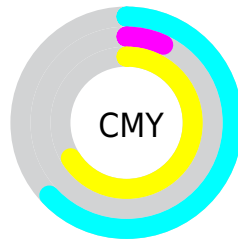
- Red (37%)
- Green (93%)
- Blue (34%)



- Red (34%)
- Yellow (93%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (64%)
- Black (7%)





- Cyan (63%)
- Magenta (7%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3945, 63.0957, 19.0646 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 36.3945, 63.0957, 19.0646 by changing the saturation by 10% instead.


 36.3945, 63.0957,
19.0646


 36.3945, 63.0957,
19.0646


322.0828,
435.9167, 259.2398


 24.9105, 45.9186,
11.5397


 68.9604, 109.3076,
42.6814


 16.1388, 32.1816,
6.3124


 90.7731, 139.1112,
59.6103

 9.7139, 21.5003,
2.9641


 116.7594,
173.8924, 80.5110

 5.2705, 13.4902,
1.0763

 147.2847,
214.0356, 105.8020

 2.4432, 7.7669,
0.0000

182.7144,
259.9253, 135.9018

 0.8667, 3.9462,
0.0000

223.4137,

 0.0000, 1.6435,

311.9458, 171.2291

0.0000

269.7480,
370.4814, 212.2022

0.0000, 0.3867,
0.0000

0.0000, 0.0000,
0.0000

36.3945, 63.0957,
19.0646

36.3945, 63.0957,
19.0646

33.6111, 61.7550,
14.7642

40.1508, 64.9054,
25.0512

31.7064, 60.8329,
11.9733


44.9541, 67.2135,
32.8690


30.5756, 60.2817,
10.4836


50.8762, 70.0561,
42.6522


30.1802, 60.0881,
10.0075

57.9815, 73.4637,
54.5214

 66.3297, 77.4646,
68.5873

 75.9760, 82.0852,
84.9530

 86.9726, 87.3503,
103.7149

 89.2867, 88.4735,
106.9789

Harmonies

Analogous

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



49.2933, 63.0957, 8.9614



36.3945, 63.0957, 19.0646



30.4339, 63.0957, 48.5215

Triad

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



36.3945, 63.0957, 19.0646



52.4338, 63.0957, 234.6114



102.8898, 63.0957, 40.9867

Complementary

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



36.3945, 63.0957, 19.0646



50.1503, 29.0450, 82.3233

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.



104.2419, 63.0957, 93.8174



36.3945, 63.0957, 19.0646



72.0881, 63.0957, 228.5635

Square

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



36.3945, 63.0957, 19.0646



38.2652, 63.0957, 181.8868



92.0093, 63.0957, 168.1804



88.6376, 63.0957, 16.1055

Rectangle

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



36.3945, 63.0957, 19.0646



30.1180, 63.0957, 84.2032



92.0093, 63.0957, 168.1804



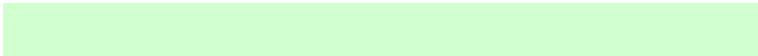
104.9639, 63.0957, 55.2279

Sweetspot

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



36.3960, 63.0983, 19.0660



73.3912, 89.6249, 72.1747



63.4710, 72.9007, 19.5310



15.1152, 18.8989, 14.4498



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.



36.3960, 63.0983, 19.0660



39.3420, 73.2686, 16.5119



39.4212, 64.2066, 39.5955



14.9519, 16.9052, 15.9937



16.6702, 33.1383, 5.5177



1.3385, 2.6174, 0.4347

Inverse Universe

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



50.1503, 29.0450, 82.3233



56.8219, 29.7007, 97.3457



45.2728, 27.4304, 41.4388



15.6204, 15.2651, 19.0454



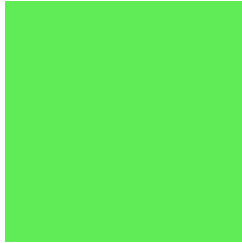
24.9647, 11.9057, 44.7252



1.9875, 0.9489, 3.5133

Previews

White Background



This preview shows how the XYZ color 36.3945, 63.0957, 19.0646 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 36.3945, 63.0957, 19.0646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

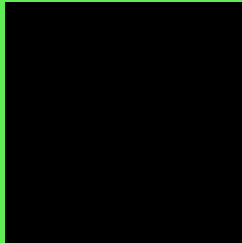
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

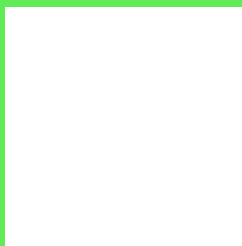
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3945, 63.0957, 19.0646

Background



This preview shows how black text looks on a background with the XYZ color 36.3945, 63.0957, 19.0646.

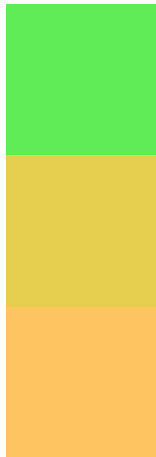


This preview shows how white text looks on a background with the XYZ color 36.3945, 63.0957,

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

36.3945, 63.0957, 19.0646

Protanopia

56.3211, 61.9987, 16.2062

Deuteranopia

63.1845, 61.6217, 20.1193



Tritanopia

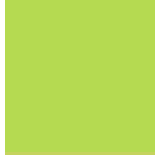
50.6424, 62.6907, 91.0927

Trichromacy



Original Color

36.3945, 63.0957, 19.0646



Protanomaly

45.6127, 60.5606, 17.0699



Deuteranomaly

48.3406, 59.2670, 19.4815



Tritanomaly

43.0797, 61.5935, 54.4179

Monochromacy



Original Color

36.3945, 63.0957, 19.0646



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.2607, 48.6048, 33.8034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3945, 63.0957, 19.0646 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(95, 236, 86)` looks like.

```
.text, #text, p{  
    color:rgb(95, 236, 86)  
}
```

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(95, 236, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 236, 86) }
```

Border

The CSS property to change the border of an element to XYZ 36.3945, 63.0957, 19.0646 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(95, 236, 86) }
```


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

```
.border{ border-color:rgb(95, 236, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 236, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 236, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 236, 86);  
box-shadow:4px 4px 4px 4px rgb(95, 236,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3945, 63.0957, 19.0646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 236, 86) }
```

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

```
.background{ background-color: rgb(95, 236,  
86) }
```

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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