

Converting Colors

XYZ(35.5309, 64.2912, 19.4347)

Have a look what the booklet for
XYZ(35.5309, 64.2912, 19.4347)
contains.

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Color

**XYZ(35.5875, 64.4085,
19.3605)**

Conversions

Conversions Part 1

Format	Color
Hex	49F056
RGB	73, 240, 86
RGB Percent	29%, 94%, 34%
CMY	0.7137, 0.0588, 0.6627
CMYK	0.70, 0.00, 0.64, 0.06
HSL	125°, 85%, 61%
HSV	125°, 70%, 94%
XYZ	35.5875, 64.4085, 19.3605
YIQ	172.5110, -50.0980, -83.2980

Conversions

Conversions Part 2

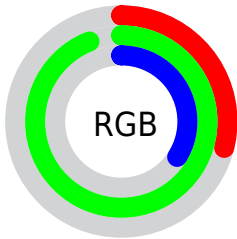
Format	Color
RYB	73, 228, 240
Decimal	4845654
CIELab	84.18, -71.43, 60.26
CIELCh	84, 93.447, 139.848
Yxy	64.4085, 0.2982, 0.5396
Android (android.graphics.Color)	4283035734 (0xFF49F056)
YUV	172.5110, -42.6499, -87.2711
Hunter-Lab	80.2549, -61.2937, 41.8755

Details

The XYZ color **35.5875, 64.4085, 19.3605** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed green. A complement of this color would be **52.1846, 28.8375, 75.4899**, and the grayscale version is **39.7014, 41.7690, 45.4864**.

A 20% lighter version of the original color is **51.7230, 79.1939, 37.7592**, and **16.9034, 33.5261, 6.5000** is the 20% darker color. If you saturate the color by 10%, you get **33.3498, 63.3444, 15.3005**, and if you desaturate by 10%, it is **38.8054, 65.9498, 24.9098**.

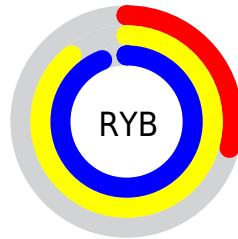
Distribution



Red (29%)

Green (94%)

Blue (34%)



Red (29%)

Yellow (89%)

Blue (94%)

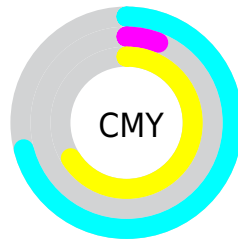


Cyan (70%)

Magenta (0%)

Yellow (64%)

Black (6%)



Cyan (71%)

Magenta (6%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5875, 64.4085, 19.3605 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 35.5875, 64.4085, 19.3605 by changing the saturation by 10% instead.


 35.5875, 64.4085,
19.3605


 35.5875, 64.4085,
19.3605


318.6168,
440.6633, 260.9205


 24.2844, 46.9816,
11.7516


 67.7230, 111.1990,
43.1872


 15.6706, 33.0211,
6.4543


 89.2860, 141.3315,
60.2420

 9.3807, 22.1426,
3.0500


 114.9998,
176.4679, 81.2826

 5.0494, 13.9617,
1.1202

 145.2296,
216.9927, 106.7275

 2.3114, 8.0941,
0.0000

180.3409,
263.2902, 136.9951

 0.8005, 4.1552,
0.0000

220.6989,

 0.0000, 1.7607,

315.7449, 172.5042

0.0000

266.6691,
374.7411, 213.6731

0.0000, 0.4625,
0.0000

0.0000, 0.0000,
0.0000

35.5875, 64.4085,
19.3605

35.5875, 64.4085,
19.3605

33.3498, 63.3444,
15.3005

38.8054, 65.9498,
24.9098

31.9756, 62.6947,
12.5823


43.0942, 68.0067,
32.0689


31.2967, 62.3783,
11.0344


48.5393, 70.6228,
40.9511


31.2762, 62.3686,
10.9921

55.2163, 73.8349,
51.6581

 63.1942, 77.6765,
64.2838

 72.5372, 82.1788,
78.9156

 83.3049, 87.3708,
95.6356

 90.4513, 90.8027,
107.3671

Harmonies

Analogous

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



48.6910, 64.4085, 8.3068



35.5875, 64.4085, 19.3605



29.8377, 64.4085, 51.9194

Triad

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



35.5875, 64.4085, 19.3605



54.4768, 64.4085, 252.4389



106.7287, 64.4085, 38.1469

Complementary

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



35.5875, 64.4085, 19.3605



52.1846, 28.8375, 75.4899

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.



109.2673, 64.4085, 92.1668



35.5875, 64.4085, 19.3605



75.7289, 64.4085, 240.9224

Square

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



35.5875, 64.4085, 19.3605



39.0000, 64.4085, 198.0702



96.8993, 64.4085, 172.1110



90.5893, 64.4085, 14.1462

Rectangle

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



35.5875, 64.4085, 19.3605



29.8151, 64.4085, 91.4559



96.8993, 64.4085, 172.1110



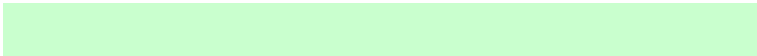
109.3211, 64.4085, 52.4071

Sweetspot

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



35.5890, 64.4112, 19.3620



71.0629, 88.4377, 71.4751



64.6359, 79.4405, 18.2306



14.6483, 18.6586, 14.4111



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.



35.5890, 64.4112, 19.3620



37.5821, 72.3656, 16.2385



40.9432, 66.5528, 47.5566



15.6158, 17.6764, 16.9999



17.1388, 34.1475, 6.1139



1.4430, 2.8476, 0.5990

Inverse Universe

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



52.1846, 28.8375, 75.4899



57.6260, 29.2170, 83.8931



43.4587, 25.3471, 29.5397



16.3981, 16.0089, 19.6524



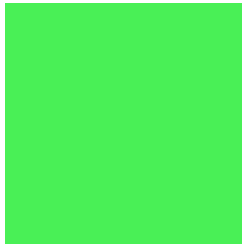
26.8616, 13.0171, 38.7832



2.2503, 1.0892, 3.3089

Previews

White Background



This preview shows how the XYZ color 35.5875, 64.4085, 19.3605 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 35.5875, 64.4085, 19.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

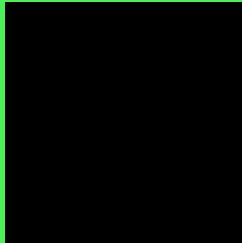
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

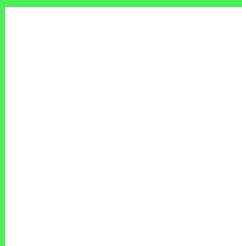
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5875, 64.4085, 19.3605

Background



This preview shows how black text looks on a background with the XYZ color 35.5875, 64.4085, 19.3605.



This preview shows how white text looks on a background with the XYZ color 35.5875, 64.4085,

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

35.5875, 64.4085, 19.3605

Protanopia

57.1741, 62.8034, 16.1300

Deuteranopia

64.0356, 62.6888, 22.3608



Tritanopia

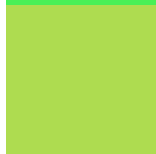
50.5741, 64.1730, 94.5151

Trichromacy



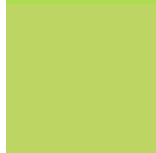
Original Color

35.5875, 64.4085, 19.3605



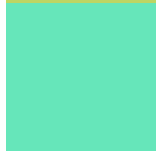
Protanomaly

44.4967, 60.7643, 16.9729



Deuteranomaly

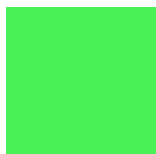
47.0326, 59.3082, 20.7731



Tritanomaly

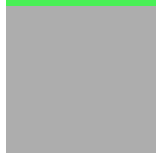
42.6392, 62.9636, 56.3602

Monochromacy



Original Color

35.5875, 64.4085, 19.3605



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.0905, 47.1740, 32.4553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5875, 64.4085, 19.3605 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(73, 240, 86)` looks like.

```
.text, #text, p{  
    color:rgb(73, 240, 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(73, 240, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 240, 86) }
```

Border

The CSS property to change the border of an element to XYZ 35.5875, 64.4085, 19.3605 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(73, 240, 86) }
```


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

```
.border{ border-color:rgb(73, 240, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 240, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 240, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 240, 86);  
box-shadow:4px 4px 4px 4px rgb(73, 240,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5875, 64.4085, 19.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 240, 86) }
```

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

```
.background{ background-color: rgb(73, 240,  
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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