

Converting Colors

XYZ(34.9903, 61.0305, 21.9081)

Have a look what the booklet for
XYZ(34.9903, 61.0305, 21.9081)
contains.

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Color

**XYZ(35.0064, 61.0369,
21.9929)**

Conversions

Conversions Part 1

Format	Color
Hex	53E964
RGB	83, 233, 100
RGB Percent	33%, 91%, 39%
CMY	0.6745, 0.0863, 0.6078
CMYK	0.64, 0.00, 0.57, 0.09
HSL	127°, 77%, 62%
HSV	127°, 64%, 91%
XYZ	35.0064, 61.0369, 21.9929
YIQ	172.9880, -46.7070, -73.1630

Conversions

Conversions Part 2

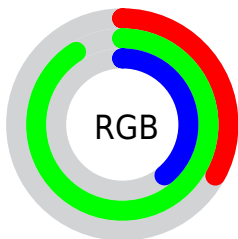
Format	Color
RYB	83, 218, 233
Decimal	5499236
CIELab	82.40, -65.73, 52.31
CIELCh	82, 84.000, 141.487
Yxy	61.0369, 0.2966, 0.5171
Android (android.graphics.Color)	4283689316 (0xFF53E964)
YUV	172.9880, -35.9831, -78.9195
Hunter-Lab	78.1261, -56.7392, 37.9978

Details

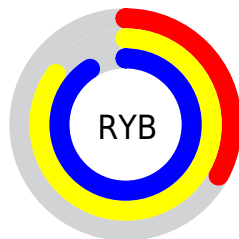
The XYZ color **35.0064, 61.0369, 21.9929** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **49.0937, 28.4689, 67.8738**, and the grayscale version is **39.9104, 41.9889, 45.7259**.

A 20% lighter version of the original color is **53.6254, 80.0561, 43.1979**, and **16.0185, 31.2479, 7.7720** is the 20% darker color. If you saturate the color by 10%, you get **32.4094, 59.8011, 17.2977**, and if you desaturate by 10%, it is **38.5504, 62.7351, 28.0583**.

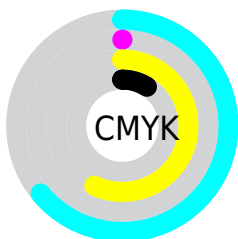
Distribution



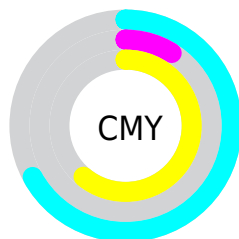
- Red (33%)
- Green (91%)
- Blue (39%)



- Red (33%)
- Yellow (85%)
- Blue (91%)



- Cyan (64%)
- Magenta (0%)
- Yellow (57%)
- Black (9%)





- Cyan (67%)
- Magenta (9%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0064, 61.0369, 21.9929 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 35.0064, 61.0369, 21.9929 by changing the saturation by 10% instead.


 35.0064, 61.0369,
21.9929


 35.0064, 61.0369,
21.9929


316.1041,
428.4093, 275.4615


 23.8343, 44.2549,
13.6534


 66.8296, 106.3324,
47.6363


 15.3349, 30.8710,
7.7440


 88.2115, 135.6147,
65.7773

 9.1426, 20.5006,
3.8462


 113.7274,
169.8325, 88.0226

 4.8921, 12.7595,
1.5413

 143.7426,
209.3704, 114.7906

 2.2182, 7.2631,
0.2484

178.6226,
254.6126, 146.5000

 0.7523, 3.6272,
0.0000

218.7325,

 0.0000, 1.4673,

305.9435, 183.5692

0.0000

264.4379,
363.7476, 226.4169

■ 0.0000, 0.2655,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0064, 61.0369,
21.9929

■ 35.0064, 61.0369,
21.9929

■ 32.4094, 59.8011,
17.2977

■ 38.5504, 62.7351,
28.0583

■ 30.6630, 58.9750,
13.8622


■ 43.1168, 64.9273,
35.5850


■ 29.6578, 58.5067,
11.5657


■ 48.7784, 67.6510,
44.6609


■ 29.3312, 58.3567,
10.7196

■ 55.6003, 70.9379,
55.3660

 63.6422, 74.8173,
67.7745

 72.9599, 79.3166,
81.9564

 83.6057, 84.4611,
97.9774

 88.4301, 86.7602,
106.6934

Harmonies

Analogous

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



46.2817, 61.0369, 10.4231



35.0064, 61.0369, 21.9929



30.1654, 61.0369, 52.8906

Triad

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



35.0064, 61.0369, 21.9929



53.0594, 61.0369, 219.6989



96.3612, 61.0369, 36.4608

Complementary

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



35.0064, 61.0369, 21.9929



49.0937, 28.4689, 67.8738

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.



99.2163, 61.0369, 82.1691



35.0064, 61.0369, 21.9929



71.5777, 61.0369, 207.1345

Square

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



35.0064, 61.0369, 21.9929



39.0883, 61.0369, 177.4928



89.3805, 61.0369, 148.8288



82.2332, 61.0369, 15.2768

Rectangle

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



35.0064, 61.0369, 21.9929



30.3668, 61.0369, 88.1206



89.3805, 61.0369, 148.8288



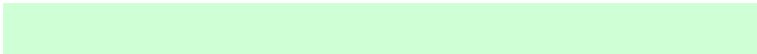
98.7727, 61.0369, 48.6741

Sweetspot

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



35.0079, 61.0394, 21.9943



73.2555, 89.4763, 75.7248



59.6161, 73.8108, 19.2885



15.0835, 18.8640, 15.2867



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.



35.0079, 61.0394, 21.9943



39.0247, 73.0318, 19.8060



40.2505, 63.1365, 49.6017



14.9377, 16.8899, 16.3550



16.6650, 33.1205, 6.2010



1.3316, 2.6099, 0.6079

Inverse Universe

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



49.0937, 28.4689, 67.8738



57.4573, 30.2206, 79.7033



41.6570, 25.4942, 28.7127



15.6370, 15.2826, 18.6396



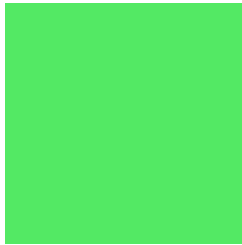
25.4592, 12.3864, 34.5491



2.0201, 0.9810, 2.8232

Previews

White Background



This preview shows how the XYZ color 35.0064, 61.0369, 21.9929 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 35.0064, 61.0369, 21.9929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

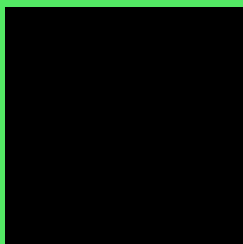
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

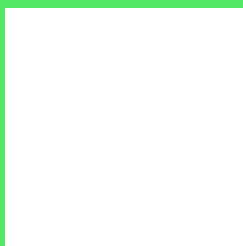
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.0064, 61.0369, 21.9929

Background



This preview shows how black text looks on a background with the XYZ color 35.0064, 61.0369, 21.9929.

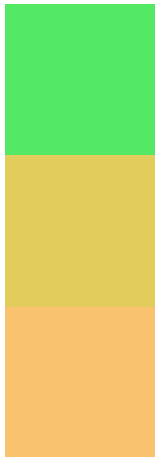


This preview shows how white text looks on a background with the XYZ color 35.0064, 61.0369,

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

35.0064, 61.0369, 21.9929

Protanopia

54.8452, 60.1098, 18.6092

Deuteranopia

61.2280, 59.8710, 23.3681



Tritanopia

48.2176, 60.7122, 88.5342

Trichromacy



Original Color

35.0064, 61.0369, 21.9929



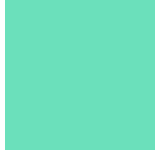
Protanomaly

43.7764, 58.4077, 19.5562



Deuteranomaly

46.1960, 56.9921, 22.4757



Tritanomaly

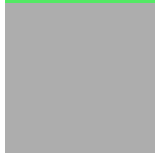
41.6887, 60.0250, 56.4025

Monochromacy



Original Color

35.0064, 61.0369, 21.9929



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.5186, 46.6810, 34.3324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0064, 61.0369, 21.9929 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(83, 233, 100)` looks like.

```
.text, #text, p{  
    color:rgb(83, 233, 100)  
}
```

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(83, 233, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 233, 100) }
```

Border

The CSS property to change the border of an element to XYZ 35.0064, 61.0369, 21.9929 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(83, 233, 100) }
```


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

```
.border{ border-color:rgb(83, 233, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 233, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 233, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 233, 100);  
box-shadow:4px 4px 4px 4px rgb(83, 233,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0064, 61.0369, 21.9929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 233, 100) }
```

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

```
.background{ background-color: rgb(83, 233,  
100) }
```

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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