

Converting Colors

XYZ(35.0386, 62.8676, 16.2575)

Have a look what the booklet for
XYZ(35.0386, 62.8676, 16.2575)
contains.

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Color

**XYZ(35.0777, 62.9081,
16.2549)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 54ED47 |
| RGB | 84, 237, 71 |
| RGB Percent | 33%, 93%, 28% |
| CMY | 0.6706, 0.0706, 0.7215 |
| CMYK | 0.65, 0.00, 0.70, 0.07 |
| HSL | 115°, 82%, 60% |
| HSV | 115°, 70%, 93% |
| XYZ | 35.0777, 62.9081, 16.2549 |
| YIQ | 172.3290, -37.9020, -84.0620 |

Conversions

Conversions Part 2

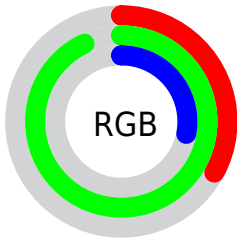
| Format | Color |
|-------------------------------------|--------------------------------------------------|
| RYB | 71, 237, 224 |
| Decimal | 5565767 |
| CIELab | 83.39, -69.78, 65.27 |
| CIELCh | 83, 95.546, 136.910 |
| Yxy | 62.9081, 0.3071, 0.5507 |
| Android (android.graphics.Color) | 4283755847 (0xFF54ED47) |
| YUV | 172.3290, -49.9552, -77.4645 |
| Hunter-Lab | 79.3146, -59.8572, 43.3692 |

Details

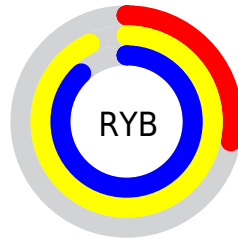
The XYZ color **35.0777, 62.9081, 16.2549** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **48.2835, 26.4706, 82.6886**, and the grayscale version is **39.6402, 41.7046, 45.4163**.

A 20% lighter version of the original color is **52.2340, 79.5625, 33.0262**, and **16.3213, 32.6425, 5.4404** is the 20% darker color. If you saturate the color by 10%, you get **32.8011, 61.8078, 12.9230**, and if you desaturate by 10%, it is **38.2632, 64.4465, 21.1793**.

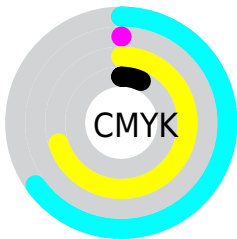
Distribution



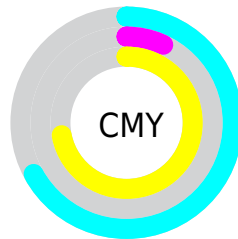
- Red (33%)
- Green (93%)
- Blue (28%)



- Red (28%)
- Yellow (93%)
- Blue (88%)



- Cyan (65%)
- Magenta (0%)
- Yellow (70%)
- Black (7%)




- Cyan (67%)
- Magenta (7%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0777, 62.9081, 16.2549 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 35.0777, 62.9081, 16.2549 by changing the saturation by 10% instead.


 35.0777, 62.9081,
16.2549


 35.0777, 62.9081,
16.2549


316.4132,
435.2359, 242.7380


 23.8895, 45.7669,
9.5484


 66.9393, 109.0369,
37.8131


 15.3760, 32.0619,
4.9989


 88.3435, 138.7933,
53.5019


 9.1717, 21.4088,
2.1879


 113.8838,
173.5235, 73.0218

 4.9114, 13.4231,
0.6674

 143.9254,
213.6119, 96.7915

 2.2296, 7.7206,
0.0000

 178.8338,
259.4430, 125.2294

 0.7583, 3.9167,
0.0000

218.9744,

 0.0000, 1.6271,

311.4011, 158.7541

0.0000

264.7123,
369.8706, 197.7841

■ 0.0000, 0.3757,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0777, 62.9081,
16.2549

■ 35.0777, 62.9081,
16.2549

■ 32.8011, 61.8078,
12.9230

■ 38.2632, 64.4465,
21.1793


■ 31.3334, 61.0926,
10.9834


■ 42.4353, 66.4538,
27.8568


■ 30.5454, 60.7049,
10.1073


■ 47.6684, 68.9672,
36.4329

■ 54.0284, 72.0178,
47.0370

 61.5760, 75.6343,
59.7871

 70.3673, 79.8434,
74.7920

 80.4552, 84.6700,
92.1533

 89.5754, 89.0509,
107.0751

Harmonies

Analogous

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



48.8948, 62.9081, 6.9566



35.0777, 62.9081, 16.2549



28.6788, 62.9081, 45.6871

Triad

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



35.0777, 62.9081, 16.2549



51.1820, 62.9081, 251.6582



106.8143, 62.9081, 40.2839

Complementary

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



35.0777, 62.9081, 16.2549



48.2835, 26.4706, 82.6886

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.



107.8337, 62.9081, 97.8583



35.0777, 62.9081, 16.2549



72.1993, 62.9081, 246.9811

Square

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



35.0777, 62.9081, 16.2549



36.4158, 62.9081, 190.8534



94.0228, 62.9081, 180.3589



91.4960, 62.9081, 14.2716

Rectangle

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



35.0777, 62.9081, 16.2549



28.2223, 62.9081, 83.2253



94.0228, 62.9081, 180.3589



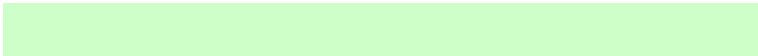
108.9471, 62.9081, 55.6164

Sweetspot

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



35.0792, 62.9107, 16.2563



71.7100, 88.8289, 68.9025



62.4974, 71.3271, 16.4357



14.7982, 18.7492, 13.8150



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.



35.0792, 62.9107, 16.2563



37.8767, 72.5654, 14.0898



37.6307, 63.8092, 35.2105



14.9776, 16.9185, 15.9949



16.7179, 33.1628, 5.5199



1.3508, 2.6237, 0.4352

Inverse Universe

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



48.2835, 26.4706, 82.6886



54.1736, 27.0093, 96.9658



44.2329, 25.3336, 39.5253



15.5917, 15.2503, 19.0441



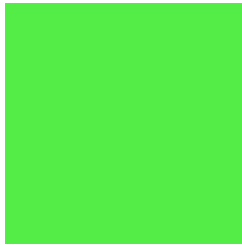
24.2559, 11.5403, 44.6920



1.9393, 0.9240, 3.5110

Previews

White Background



This preview shows how the XYZ color 35.0777, 62.9081, 16.2549 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 35.0777, 62.9081, 16.2549 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 35.0777, 62.9081, 16.2549

Background



This preview shows how black text looks on a background with the XYZ color 35.0777, 62.9081, 16.2549.



This preview shows how white text looks on a background with the XYZ color 35.0777, 62.9081,

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

35.0777, 62.9081, 16.2549

Protanopia

55.9235, 61.4904, 13.6240

Deuteranopia

62.7831, 61.4611, 18.0054



Tritanopia

49.7486, 62.2300, 91.0509

Trichromacy



Original Color

35.0777, 62.9081, 16.2549



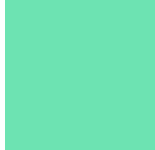
Protanomaly

44.1563, 59.4840, 14.3085



Deuteranomaly

46.8096, 58.5352, 16.8139



Tritanomaly

41.8116, 61.4037, 51.7679

Monochromacy



Original Color

35.0777, 62.9081, 16.2549



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.9283, 46.8046, 30.1149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0777, 62.9081, 16.2549 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, 237, 71)` looks like.

```
.text, #text, p{  
    color:rgb(84, 237, 71)  
}
```

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, 237, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 237, 71) }
```

Border

The CSS property to change the border of an element to XYZ 35.0777, 62.9081, 16.2549 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, 237, 71) }
```


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

```
.border{ border-color:rgb(84, 237, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 237, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 237, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 237, 71);  
box-shadow:4px 4px 4px 4px rgb(84, 237,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0777, 62.9081, 16.2549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 237, 71) }
```

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

```
.background{ background-color: rgb(84, 237,  
71) }
```

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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