

Converting Colors

XYZ(35.5091, 64.3165, 15.7436)

Have a look what the booklet for
XYZ(35.5091, 64.3165, 15.7436)
contains.

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Color

**XYZ(35.6231, 64.5074,
15.7279)**

Conversions

Conversions Part 1

Format	Color
Hex	52F042
RGB	82, 240, 66
RGB Percent	32%, 94%, 26%
CMY	0.6784, 0.0588, 0.7412
CMYK	0.66, 0.00, 0.72, 0.06
HSL	114°, 85%, 60%
HSV	114°, 72%, 94%
XYZ	35.6231, 64.5074, 15.7279
YIQ	172.9220, -38.3140, -87.6100

Conversions

Conversions Part 2

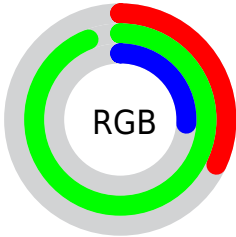
Format	Color
R _{YB}	66, 240, 224
Decimal	5435458
CIE Lab	84.23, -71.53, 67.87
CIE LCh	84, 98.602, 136.502
Yxy	64.5074, 0.3075, 0.5568
Android (android.graphics.Color)	4283625538 (0xFF52F042)
YUV	172.9220, -52.7125, -79.7386
Hunter-Lab	80.3165, -61.3830, 44.6111

Details

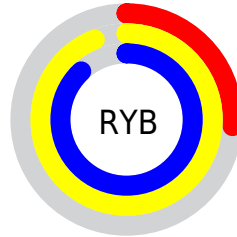
The XYZ color **35.6231, 64.5074, 15.7279** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed green. A complement of this color would be **48.4215, 26.0379, 84.9153**, and the grayscale version is **39.9565, 42.0374, 45.7787**.

A 20% lighter version of the original color is **51.7925, 79.3648, 31.6580**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **33.4553, 63.4571, 12.6762**, and if you desaturate by 10%, it is **38.6922, 65.9919, 20.3728**.

Distribution



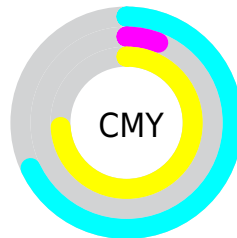
- Red (32%)
- Green (94%)
- Blue (26%)



- Red (26%)
- Yellow (94%)
- Blue (88%)



- Cyan (66%)
- Magenta (0%)
- Yellow (72%)
- Black (6%)



- Cyan (68%)
- Magenta (6%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6231, 64.5074, 15.7279 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 35.6231, 64.5074, 15.7279 by changing the saturation by 10% instead.

35.6231, 64.5074,
15.7279

35.6231, 64.5074,
15.7279

318.7702,
441.0197, 239.5214

24.3120, 47.0618,
9.1796

67.7776, 111.3414,
36.8854

15.6912, 33.0845,
4.7601

89.3517, 141.4985,
52.3316

9.3954, 22.1912,
2.0509

115.0776,
176.6615, 71.5808

5.0591, 13.9974,
0.5863

145.3205,
217.2149, 95.0516

2.3171, 8.1189,
0.0000

180.4459,
263.5430, 123.1625

0.8034, 4.1711,
0.0000

220.8191,

0.0000, 1.7697,

316.0302, 156.3321

0.0000

266.8054,
375.0610, 194.9789

0.0000, 0.4682,
0.0000

0.0000, 0.0000,
0.0000

35.6231, 64.5074,
15.7279

35.6231, 64.5074,
15.7279

33.4553, 63.4571,
12.6762

38.6922, 65.9919,
20.3728

32.0852, 62.7865,
11.0004

42.7427, 67.9423,
26.7832

31.4936, 62.4941,
10.4027

47.8508, 70.3966,
35.1136

54.0840, 73.3864,
45.5008

61.5040, 76.9411,
58.0688

70.1682, 81.0877,
72.9320

80.1302, 85.8514,
90.1969

90.4514, 90.8029,
107.3671

Harmonies

Analogous

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



50.1441, 64.5074, 6.5257



35.6231, 64.5074, 15.7279



28.8804, 64.5074, 45.7462

Triad

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



35.6231, 64.5074, 15.7279



52.0263, 64.5074, 264.0065



111.0148, 64.5074, 41.3224

Complementary

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



35.6231, 64.5074, 15.7279



48.4215, 26.0379, 84.9153

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.



111.8632, 64.5074, 102.2038



35.6231, 64.5074, 15.7279



74.0267, 64.5074, 260.0823

Square

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



35.6231, 64.5074, 15.7279



36.7177, 64.5074, 198.5309



97.0852, 64.5074, 189.7535



94.9863, 64.5074, 14.1410

Rectangle

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



35.6231, 64.5074, 15.7279



28.3452, 64.5074, 84.7509



97.0852, 64.5074, 189.7535



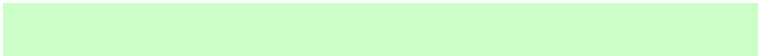
113.1966, 64.5074, 57.4837

Sweetspot

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



35.6246, 64.5101, 15.7293



70.9745, 88.4842, 67.3104



63.2025, 71.4839, 15.6219



14.6624, 18.6859, 13.5062



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.



35.6246, 64.5101, 15.7293



37.5334, 72.4023, 13.4467



37.8246, 65.2477, 33.7464



15.7006, 17.7258, 16.7436



17.2865, 34.2331, 5.6966



1.4836, 2.8713, 0.4760

Inverse Universe

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



48.4215, 26.0379, 84.9153



52.7299, 25.9117, 96.8300



45.1794, 25.3409, 40.7416



16.3027, 15.9533, 19.9417



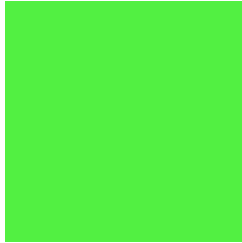
24.4880, 11.6294, 46.0819



2.0787, 0.9888, 3.8355

Previews

White Background



This preview shows how the XYZ color 35.6231, 64.5074, 15.7279 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 35.6231, 64.5074, 15.7279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

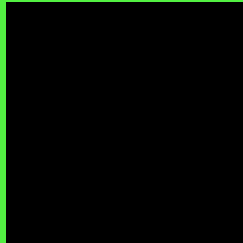
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6231, 64.5074, 15.7279

Background



This preview shows how black text looks on a background with the XYZ color 35.6231, 64.5074, 15.7279.



This preview shows how white text looks on a background with the XYZ color 35.6231, 64.5074,

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

35.6231, 64.5074, 15.7279

Protanopia

57.4959, 63.3988, 13.2098

Deuteranopia

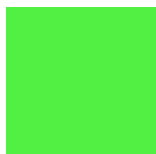
64.0617, 63.0662, 21.3669



Tritanopia

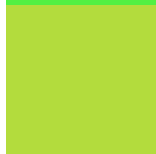
50.9948, 64.0072, 93.6713

Trichromacy



Original Color

35.6231, 64.5074, 15.7279



Protanomaly

45.0259, 61.1070, 13.8366



Deuteranomaly

47.5880, 60.0209, 18.5282



Tritanomaly

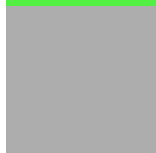
42.6394, 63.0592, 52.0438

Monochromacy



Original Color

35.6231, 64.5074, 15.7279



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.0845, 47.2292, 29.8213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6231, 64.5074, 15.7279 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(82, 240, 66)` looks like.

```
.text, #text, p{  
    color:rgb(82, 240, 66)  
}
```

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(82, 240, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 240, 66) }
```

Border

The CSS property to change the border of an element to XYZ 35.6231, 64.5074, 15.7279 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(82, 240, 66) }
```


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

```
.border{ border-color:rgb(82, 240, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 240, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 240, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 240, 66);  
box-shadow:4px 4px 4px 4px rgb(82, 240,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6231, 64.5074, 15.7279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 240, 66) }
```

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

```
.background{ background-color: rgb(82, 240,  
66) }
```

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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