

Converting Colors

XYZ(35.7591, 62.1655, 12.6551)

Have a look what the booklet for
XYZ(35.7591, 62.1655, 12.6551)
contains.

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Color

**XYZ(35.7417, 62.0462,
12.6771)**

Conversions

Conversions Part 1

Format	Color
Hex	69EA2E
RGB	105, 234, 46
RGB Percent	41%, 92%, 18%
CMY	0.5882, 0.0823, 0.8196
CMYK	0.55, 0.00, 0.80, 0.08
HSL	101°, 82%, 55%
HSV	101°, 80%, 92%
XYZ	35.7417, 62.0462, 12.6771
YIQ	173.9970, -16.5360, -85.8160

Conversions

Conversions Part 2

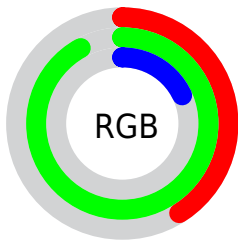
Format	Color
RYB	46, 234, 175
Decimal	6941230
CIELab	82.94, -65.56, 72.92
CIElCh	83, 98.061, 131.957
Yxy	62.0462, 0.3236, 0.5617
Android (android.graphics.Color)	4285131310 (0xFF69EA2E)
YUV	173.9970, -63.1025, -60.5104
Hunter-Lab	78.7694, -56.8519, 45.5965

Details

The XYZ color **35.7417, 62.0462, 12.6771** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **33.5116, 17.0110, 79.3626**, and the grayscale version is **40.5526, 42.6645, 46.4617**.

A 20% lighter version of the original color is **54.4031, 80.8182, 26.9195**, and **16.0988, 31.6385, 5.2583** is the 20% darker color. If you saturate the color by 10%, you get **33.6892, 61.0296, 10.7945**, and if you desaturate by 10%, it is **38.4043, 63.3521, 15.9012**.

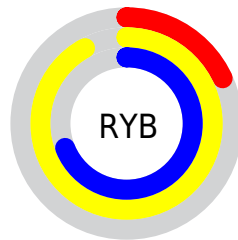
Distribution



Red (41%)

Green (92%)

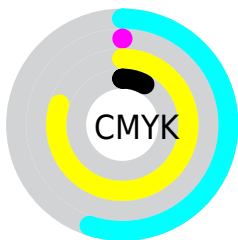
Blue (18%)



Red (18%)

Yellow (92%)

Blue (69%)

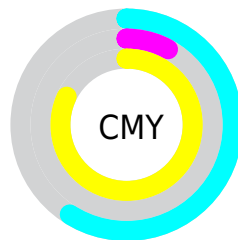


Cyan (55%)

Magenta (0%)

Yellow (80%)

Black (8%)



Cyan (59%)

Magenta (8%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7417, 62.0462, 12.6771 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 35.7417, 62.0462, 12.6771 by changing the saturation by 10% instead.

35.7417, 62.0462,
12.6771

35.7417, 62.0462,
12.6771

319.2811,
432.0996, 219.9724

24.4040, 45.0700,
7.0785

67.9597, 107.7923,
31.4051

15.7599, 31.5126,
3.4320

89.5706, 137.3310,
45.3715

9.4442, 20.9895,
1.3192

115.3367,
171.8260, 62.9643

5.0914, 13.1163,
0.0775

145.6232,
211.6618, 84.6020

2.3363, 7.5087,
0.0000

180.7956,
257.2226, 110.7031

0.8132, 3.7822,
0.0000

221.2191,

0.0000, 1.5525,

308.8929, 141.6862

0.0000

267.2592,
367.0571, 177.9698

■ 0.0000, 0.3253,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7417, 62.0462,
12.6771

■ 35.7417, 62.0462,
12.6771

■ 33.6892, 61.0296,
10.7945


■ 38.4043, 63.3521,
15.9012


■ 32.2043, 60.2815,
9.9382


■ 41.7269, 64.9633,
20.6518


■ 45.7583, 66.9033,
27.0892

■ 50.5408, 69.1908,
35.3522

 56.1132, 71.8432,
45.5653

 62.5114, 74.8765,
57.8422

 69.7690, 78.3057,
72.2875

 77.9176, 82.1450,
88.9991

 86.7263, 86.3035,
106.6950

Harmonies

Analogous

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



50.9400, 62.0462, 5.6617



35.7417, 62.0462, 12.6771



28.1329, 62.0462, 37.5153

Triad

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



35.7417, 62.0462, 12.6771



47.2488, 62.0462, 249.9192



108.3960, 62.0462, 46.1807

Complementary

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



35.7417, 62.0462, 12.6771



33.5116, 17.0110, 79.3626

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.



106.7272, 62.0462, 110.4508



35.7417, 62.0462, 12.6771



67.8091, 62.0462, 257.6559

Square

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



35.7417, 62.0462, 12.6771



33.5987, 62.0462, 179.2245



90.5670, 62.0462, 196.5153



94.6936, 62.0462, 15.7656

Rectangle

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



35.7417, 62.0462, 12.6771



26.9432, 62.0462, 71.6148



90.5670, 62.0462, 196.5153



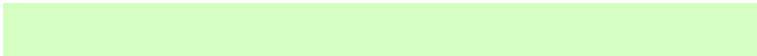
109.6899, 62.0462, 63.6569

Sweetspot

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



35.7431, 62.0488, 12.6785



72.9169, 89.5528, 64.3635



49.6540, 48.1456, 9.2617



15.0159, 18.8876, 12.6447



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.



35.7431, 62.0488, 12.6785



39.7478, 73.5693, 12.3983



32.0168, 60.0155, 17.5784



15.3131, 17.0914, 16.0106



18.2107, 33.9324, 5.5898



1.5260, 2.7140, 0.4434

Inverse Universe

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



33.5116, 17.0110, 79.3626



36.5632, 16.9282, 95.9481



45.2820, 23.5965, 56.5293



15.2284, 15.0630, 19.0271



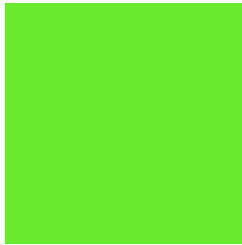
16.6923, 7.6411, 44.3381



1.4092, 0.6508, 3.4862

Previews

White Background



This preview shows how the XYZ color 35.7417, 62.0462, 12.6771 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 35.7417, 62.0462, 12.6771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

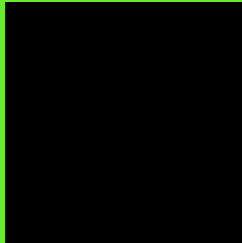
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

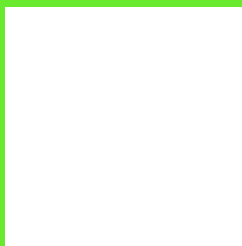
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7417, 62.0462, 12.6771

Background



This preview shows how black text looks on a background with the XYZ color 35.7417, 62.0462, 12.6771.

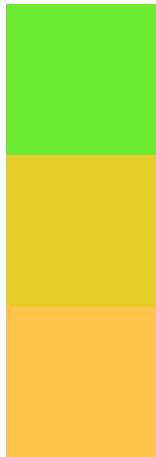


This preview shows how white text looks on a background with the XYZ color 35.7417, 62.0462, 12.6771.

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

35.7417, 62.0462, 12.6771

Protanopia

55.1525, 60.7981, 10.7478

Deuteranopia

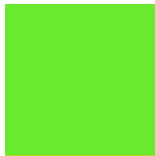
62.0596, 60.8120, 15.3045



Tritanopia

50.7143, 61.6299, 87.8201

Trichromacy



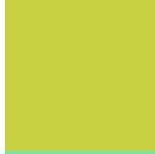
Original Color

35.7417, 62.0462, 12.6771



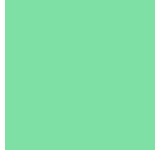
Protanomaly

44.9814, 59.5932, 11.3224



Deuteranomaly

47.5740, 58.2619, 13.7393



Tritanomaly

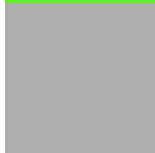
42.2910, 60.5765, 45.5399

Monochromacy



Original Color

35.7417, 62.0462, 12.6771



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

35.9651, 47.4017, 27.3326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7417, 62.0462, 12.6771 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(105, 234, 46)` looks like.

```
.text, #text, p{  
    color:rgb(105, 234, 46)  
}
```

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(105, 234, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 234, 46) }
```

Border

The CSS property to change the border of an element to XYZ 35.7417, 62.0462, 12.6771 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(105, 234, 46) }
```


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

```
.border{ border-color:rgb(105, 234, 46) }
```

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

Here you see how a box with a 4 pixel rgb(105, 234, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 234, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 234, 46);  
box-shadow:4px 4px 4px 4px rgb(105, 234,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7417, 62.0462, 12.6771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 234, 46) }
```

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

```
.background{ background-color: rgb(105,  
234, 46) }
```

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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