

Converting Colors

XYZ(33.3721, 61.0027, 16.0446)

Have a look what the booklet for
XYZ(33.3721, 61.0027, 16.0446)
contains.

XYZ(33.4442, 61.2112, 16.0135)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.4442, 61.2112,
16.0135)**

Conversions

Conversions Part 1

Format	Color
Hex	47EB47
RGB	71, 235, 71
RGB Percent	28%, 92%, 28%
CMY	0.7216, 0.0784, 0.7215
CMYK	0.70, 0.00, 0.70, 0.08
HSL	120°, 80%, 60%
HSV	120°, 70%, 92%
XYZ	33.4442, 61.2112, 16.0135
YIQ	167.2680, -45.1000, -85.7720

Conversions

Conversions Part 2

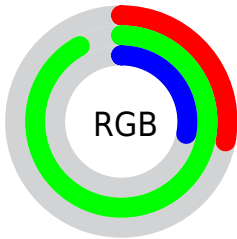
Format	Color
RYB	71, 235, 235
Decimal	4713287
CIELab	82.49, -71.54, 64.24
CIElCh	82, 96.155, 138.077
Yxy	61.2112, 0.3022, 0.5531
Android (android.graphics.Color)	4282903367 (0xFF47EB47)
YUV	167.2680, -47.4601, -84.4270
Hunter-Lab	78.2376, -60.6124, 42.6310

Details

The XYZ color **33.4442, 61.2112, 16.0135** 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 **51.5109, 28.1675, 81.3185**, and the grayscale version is **37.1029, 39.0352, 42.5093**.

A 20% lighter version of the original color is **50.4060, 78.6278, 32.5987**, and **15.9204, 31.8408, 5.3068** is the 20% darker color. If you saturate the color by 10%, you get **31.4284, 60.2448, 12.7151**, and if you desaturate by 10%, it is **36.4203, 62.6426, 20.8807**.

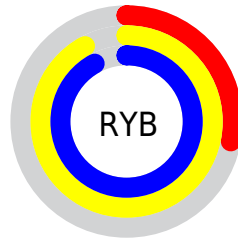
Distribution



Red (28%)

Green (92%)

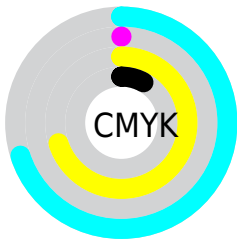
Blue (28%)



Red (28%)

Yellow (92%)

Blue (92%)

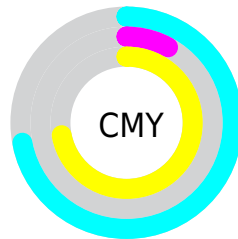


Cyan (70%)

Magenta (0%)

Yellow (70%)

Black (8%)



Cyan (72%)


Magenta (8%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4442, 61.2112, 16.0135 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 33.4442, 61.2112, 16.0135 by changing the saturation by 10% instead.


 33.4442, 61.2112,
16.0135


 33.4442, 61.2112,
16.0135


309.2763,
429.0480, 241.2698


 22.6278, 44.3956,
9.3792


 64.4185, 106.5847,
37.3888


 14.4381, 30.9817,
4.8892


 85.3071, 135.9114,
52.9668

 8.5097, 20.5849,
2.1248


 110.2837,
170.1773, 72.3633

 4.4773, 12.8209,
0.6305

 139.7139,
209.7667, 95.9966

 1.9756, 7.3053,
0.0000

 173.9629,
255.0641, 124.2854

 0.6202, 3.6538,
0.0000

213.3960,

 0.0000, 1.4818,

306.4538, 157.6482

0.0000

258.3787,
364.3203, 196.5035

■ 0.0000, 0.2759,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4442, 61.2112,
16.0135

■ 33.4442, 61.2112,
16.0135

■ 31.4284, 60.2448,
12.7151

■ 36.4203, 62.6426,
20.8807

■ 30.2512, 59.6793,
10.7894


■ 40.4513, 64.5789,
27.4741


■ 29.7186, 59.4235,
9.9181


■ 45.6250, 67.0641,
35.9367


■ 29.7096, 59.4192,
9.9034

■ 52.0190, 70.1355,
46.3952

 59.7042, 73.8271,
58.9657

 68.7460, 78.1703,
73.7550

 79.2053, 83.1944,
90.8628

 88.9996, 87.8991,
106.8832

Harmonies

Analogous

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



46.7547, 61.2112, 6.5599



33.4442, 61.2112, 16.0135



27.4386, 61.2112, 45.8878

Triad

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



33.4442, 61.2112, 16.0135



50.3884, 61.2112, 250.1287



104.4328, 61.2112, 37.3290

Complementary

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



33.4442, 61.2112, 16.0135



51.5109, 28.1675, 81.3185

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.



106.0636, 61.2112, 92.8820



33.4442, 61.2112, 16.0135



71.3283, 61.2112, 242.6083

Square

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



33.4442, 61.2112, 16.0135



35.5621, 61.2112, 191.3612



92.8283, 61.2112, 174.5193



88.7907, 61.2112, 12.9163

Rectangle

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



33.4442, 61.2112, 16.0135



27.1604, 61.2112, 83.8550



92.8283, 61.2112, 174.5193



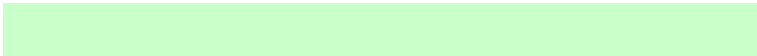
106.7526, 61.2112, 51.9733

Sweetspot

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



33.4457, 61.2138, 16.0149



70.5644, 88.2383, 68.8499



65.1093, 77.5370, 17.4958



14.5328, 18.6124, 13.8029



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.



33.4457, 61.2138, 16.0149



37.0634, 72.1461, 14.0523



38.0581, 63.0587, 40.3037



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5115



1.2983, 2.5966, 0.4328

Inverse Universe

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



51.5109, 28.1675, 81.3185



60.0749, 30.0516, 97.2362



42.2656, 24.4694, 32.6335



15.7149, 15.3138, 19.0497



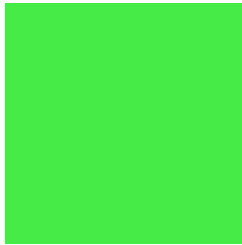
27.4128, 13.1678, 44.8367



2.1526, 1.0340, 3.5208

Previews

White Background



This preview shows how the XYZ color 33.4442, 61.2112, 16.0135 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 33.4442, 61.2112, 16.0135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

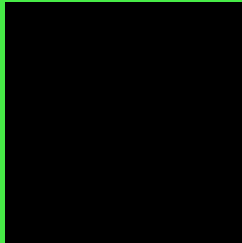
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

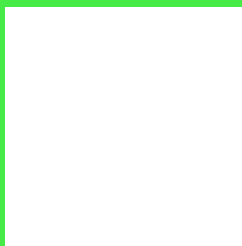
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4442, 61.2112, 16.0135

Background



This preview shows how black text looks on a background with the XYZ color 33.4442, 61.2112, 16.0135.

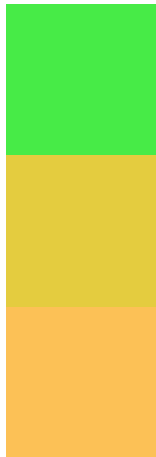


This preview shows how white text looks on a background with the XYZ color 33.4442, 61.2112, 16.0135.

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

33.4442, 61.2112, 16.0135

Protanopia

54.4850, 60.0386, 13.4196

Deuteranopia

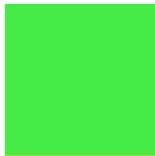
60.8946, 59.5073, 17.0807



Tritanopia

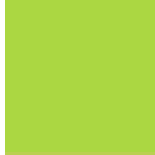
47.8200, 60.4905, 89.2762

Trichromacy



Original Color

33.4442, 61.2112, 16.0135



Protanomaly

42.0784, 57.6522, 14.0645



Deuteranomaly

44.2908, 56.1449, 16.2873



Tritanomaly

40.1166, 59.7341, 51.0104

Monochromacy



Original Color

33.4442, 61.2112, 16.0135



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.5302, 44.2708, 28.6604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4442, 61.2112, 16.0135 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(71, 235, 71)` looks like.

```
.text, #text, p{  
    color:rgb(71, 235, 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(71, 235, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 71) }
```

Border

The CSS property to change the border of an element to XYZ 33.4442, 61.2112, 16.0135 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(71, 235, 71) }
```


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

```
.border{ border-color:rgb(71, 235, 71) }
```

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

Here you see how a box with a 4 pixel rgb(71, 235, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 71);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4442, 61.2112, 16.0135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 235, 71) }
```

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

```
.background{ background-color: rgb(71, 235,  
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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