

Converting Colors

XYZ(30.4997, 60.2374, 10.8197)

Have a look what the booklet for
XYZ(30.4997, 60.2374, 10.8197)
contains.

XYZ(30.5035, 60.2349, 10.8294)	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(30.5035, 60.2349,
10.8294)**

Conversions

Conversions Part 1

Format	Color
Hex	17EC17
RGB	23, 236, 23
RGB Percent	9%, 93%, 9%
CMY	0.9098, 0.0745, 0.9097
CMYK	0.90, 0.00, 0.90, 0.07
HSL	120°, 85%, 51%
HSV	120°, 90%, 93%
XYZ	30.5035, 60.2349, 10.8294
YIQ	148.0310, -58.5750, -111.3990

Conversions

Conversions Part 2

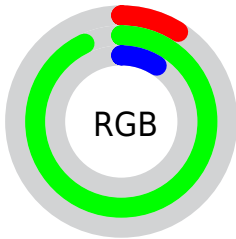
Format	Color
R _Y B	23, 236, 236
Decimal	1567767
CIE Lab	81.97, -79.94, 76.24
CIE LCh	82, 110.468, 136.356
Yxy	60.2349, 0.3003, 0.5931
Android (android.graphics.Color)	4279757847 (0xFF17EC17)
YUV	148.0310, -61.6403, -109.6522
Hunter-Lab	77.6111, -65.6637, 46.0548

Details

The XYZ color **30.5035, 60.2349, 10.8294** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **50.0388, 24.5021, 81.4413**, and the grayscale version is **28.4304, 29.9110, 32.5731**.

A 20% lighter version of the original color is **45.4333, 76.2682, 23.1531**, and **15.9204, 31.8408, 5.3068** is the 20% darker color. If you saturate the color by 10%, you get **29.9967, 59.9933, 9.9993**, and if you desaturate by 10%, it is **31.6561, 60.7904, 12.7142**.

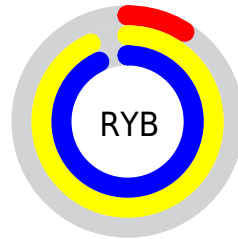
Distribution



Red (9%)

Green (93%)

Blue (9%)



Red (9%)

Yellow (93%)

Blue (9%)

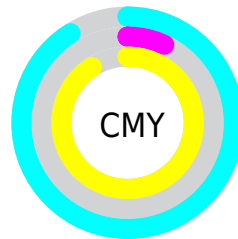


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (7%)



Cyan (91%)


Magenta (7%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5035, 60.2349, 10.8294 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 30.5035, 60.2349, 10.8294 by changing the saturation by 10% instead.


 30.5035, 60.2349,
10.8294


 30.5035, 60.2349,
10.8294


296.1123,
425.4631, 207.1886

 20.3710, 43.6080,
5.8395


 59.8387, 105.1703,
27.9761

 12.7749, 30.3624,
2.6805

 79.7722, 134.2477,
40.9699


 7.3496, 20.1139,
0.9336


 103.7033,
168.2439, 57.4689

 3.7300, 12.4778,
0.0000

 131.9976,
207.5435, 77.8914

 1.5505, 7.0700,
0.0000

 165.0202,
252.5308, 102.6562

 0.3598, 3.5059,
0.0000

 203.1367,

 0.0000, 1.4012,

303.5903, 132.1816

0.0000

246.7122,
361.1062, 166.8862

■ 0.0000, 0.2176,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.5035, 60.2349,
10.8294

■ 30.5035, 60.2349,
10.8294


■ 29.9967, 59.9933,
9.9993


■ 31.6561, 60.7904,
12.7142

■ 33.6495, 61.7479,
15.9751


■ 36.6048, 63.1675,
20.8093


■ 40.6226, 65.0974,
27.3813

 45.7907, 67.5799,
35.8348

 52.1880, 70.6529,
46.2987

 59.8863, 74.3508,
58.8903

 68.9519, 78.7054,
73.7183

 79.4466, 83.7466,
90.8836

Harmonies

Analogous

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



45.5075, 60.2349, 3.3885



30.5035, 60.2349, 10.8294



23.7470, 60.2349, 39.6731

Triad

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



30.5035, 60.2349, 10.8294



47.2931, 60.2349, 286.9531



112.0934, 60.2349, 35.6121

Complementary

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



30.5035, 60.2349, 10.8294



50.0388, 24.5021, 81.4413

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.



112.9571, 60.2349, 100.8639



30.5035, 60.2349, 10.8294



70.8597, 60.2349, 282.7567

Square

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



30.5035, 60.2349, 10.8294



31.5026, 60.2349, 209.7305



96.3103, 60.2349, 200.5205



94.1988, 60.2349, 9.5842

Rectangle

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



30.5035, 60.2349, 10.8294



23.1997, 60.2349, 80.8881



96.3103, 60.2349, 200.5205



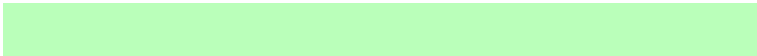
114.5244, 60.2349, 52.3460

Sweetspot

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



30.5049, 60.2374, 10.8308



64.9255, 85.5297, 59.6275



64.7448, 77.8887, 12.4324



13.2648, 18.0033, 11.7291



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.



30.5049, 60.2374, 10.8308



35.7601, 71.5200, 11.9205



34.3461, 61.7739, 31.0582



14.8684, 16.8622, 15.9900



16.5341, 33.0681, 5.5117



1.2983, 2.5966, 0.4329

Inverse Universe

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



50.0388, 24.5021, 81.4413



59.2873, 28.4789, 96.9656



38.8959, 20.0449, 22.7639



15.7148, 15.3138, 19.0496



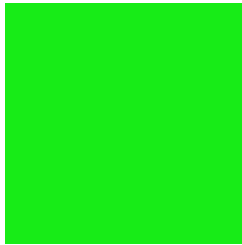
27.4122, 13.1676, 44.8333



2.1525, 1.0340, 3.5206

Previews

White Background



This preview shows how the XYZ color 30.5035, 60.2349, 10.8294 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 30.5035, 60.2349, 10.8294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

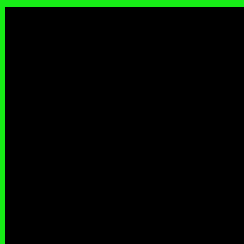
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.5035, 60.2349, 10.8294

Background



This preview shows how black text looks on a background with the XYZ color 30.5035, 60.2349, 10.8294.



This preview shows how white text looks on a background with the XYZ color 30.5035, 60.2349,

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

30.5035, 60.2349, 10.8294

Protanopia

53.1154, 58.7350, 8.5375

Deuteranopia

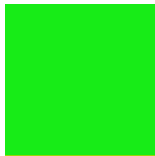
59.8284, 58.4201, 11.7373



Tritanopia

45.9844, 59.5442, 89.1903

Trichromacy



Original Color

30.5035, 60.2349, 10.8294



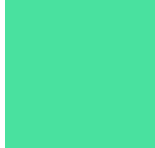
Protanomaly

37.2273, 54.8830, 8.8611



Deuteranomaly

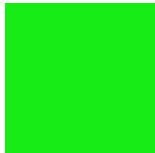
39.1111, 53.2351, 10.4995



Tritanomaly

35.9309, 57.7701, 42.0579

Monochromacy



Original Color

30.5035, 60.2349, 10.8294



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.3630, 36.5054, 18.5941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5035, 60.2349, 10.8294 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(23, 236, 23)` looks like.

```
.text, #text, p{  
    color:rgb(23, 236, 23)  
}
```

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(23, 236, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 236, 23) }
```

Border

The CSS property to change the border of an element to XYZ 30.5035, 60.2349, 10.8294 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(23, 236, 23) }
```


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

```
.border{ border-color:rgb(23, 236, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 236, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 236, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 236, 23);  
box-shadow:4px 4px 4px 4px rgb(23, 236,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5035, 60.2349, 10.8294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 236, 23) }
```

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

```
.background{ background-color: rgb(23, 236,  
23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor