

Converting Colors

XYZ(30.4655, 60.7263, 10.1157)

Have a look what the booklet for
XYZ(30.4655, 60.7263, 10.1157)
contains.

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Color

**XYZ(30.4222, 60.6395,
10.1012)**

Conversions

Conversions Part 1

Format	Color
Hex	0BED00
RGB	11, 237, 0
RGB Percent	4%, 93%, 0%
CMY	0.9569, 0.0706, 0.9999
CMYK	0.95, 0.00, 1.00, 0.07
HSL	117°, 100%, 46%
HSV	117°, 100%, 93%
XYZ	30.4222, 60.6395, 10.1012
YIQ	142.4080, -58.6190, -121.6190

Conversions

Conversions Part 2

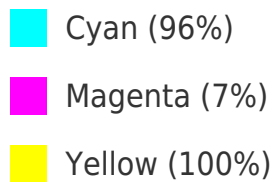
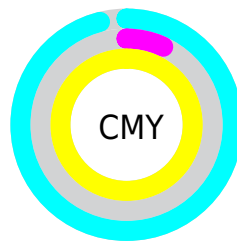
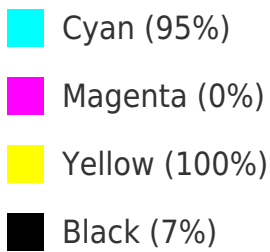
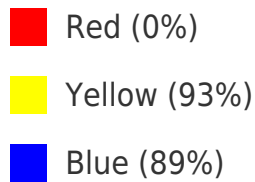
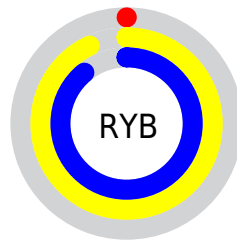
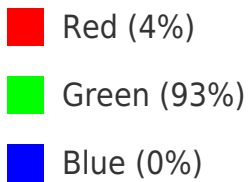
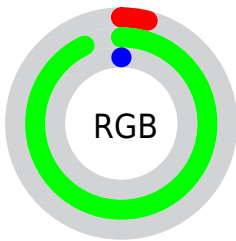
Format	Color
RYB	0, 237, 226
Decimal	781568
CIELab	82.18, -81.19, 78.75
CIELCh	82, 113.102, 135.875
Yxy	60.6395, 0.3007, 0.5994
Android (android.graphics.Color)	4278971648 (0xFF0BED00)
YUV	142.4080, -70.2071, -115.2448
Hunter-Lab	77.8714, -66.5399, 46.8191

Details

The XYZ color **30.4222, 60.6395, 10.1012** 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 **46.6627, 22.2901, 81.9670**, and the grayscale version is **26.1626, 27.5251, 29.9748**.

A 20% lighter version of the original color is **44.8576, 76.0065, 21.5390**, and **16.1201, 32.2402, 5.3734** is the 20% darker color. If you saturate the color by 10%, you get **30.4230, 60.6417, 10.1016**, and if you desaturate by 10%, it is **31.0942, 60.9690, 10.9791**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4222, 60.6395, 10.1012 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 30.4222, 60.6395, 10.1012 by changing the saturation by 10% instead.


 30.4222, 60.6395,
10.1012


 30.4222, 60.6395,
10.1012


295.7421,
426.9510, 201.9038


 20.3089, 43.9343,
5.3596


 59.7113, 105.7568,
26.5965


 12.7294, 30.6189,
2.3974


 79.6178, 134.9377,
39.1872

 7.3182, 20.3088,
0.7850


 103.5195,
169.0459, 55.2315

 3.7100, 12.6197,
0.0000

 131.7816,
208.4658, 75.1477

 1.5394, 7.1672,
0.0000

 164.7696,
253.5819, 99.3546

 0.3524, 3.5669,
0.0000


 202.8488,

 0.0000, 1.4344,


304.7785, 128.2705


0.0000


246.3845,
362.4401, 162.3141


 0.0000, 0.2418,
0.0000


 0.0000, 0.0000,
0.0000


 30.4222, 60.6395,
10.1012


 30.4222, 60.6395,
10.1012

 30.4230, 60.6417,
10.1016

 31.0942, 60.9690,
10.9791

 32.4498, 61.6263,
12.9203

 34.6359, 62.6817,
16.2573

 37.7569, 64.1848,
21.1862

■ 41.9022, 66.1781,
27.8722

■ 47.1506, 68.6991,
36.4595

■ 53.5732, 71.7817,
47.0776

■ 61.2351, 75.4569,
59.8447

■ 70.1966, 79.7534,
74.8699

Harmonies

Analogous

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



45.8975, 60.6395, 3.0132



30.4222, 60.6395, 10.1012



23.4343, 60.6395, 38.7093

Triad

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



30.4222, 60.6395, 10.1012



47.0785, 60.6395, 295.4787



114.4877, 60.6395, 36.0388

Complementary

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



30.4222, 60.6395, 10.1012



46.6627, 22.2901, 81.9670

Split Complementary

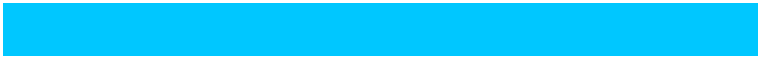
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.0658, 60.6395, 103.8747



30.4222, 60.6395, 10.1012



71.2226, 60.6395, 292.6472

Square

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



30.4222, 60.6395, 10.1012



31.0786, 60.6395, 213.8664



97.5764, 60.6395, 207.6711



96.1659, 60.6395, 9.3056

Rectangle

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



30.4222, 60.6395, 10.1012



22.8064, 60.6395, 80.5195



97.5764, 60.6395, 207.6711



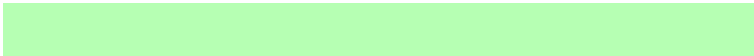
116.9059, 60.6395, 53.3854

Sweetspot

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



30.4236, 60.6420, 10.1026



63.1472, 84.7045, 55.4046



61.8939, 71.9399, 10.6246



12.7934, 17.7835, 10.6613



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.



30.4236, 60.6420, 10.1026



35.9089, 71.5967, 11.9270



32.9224, 61.6256, 23.9789



14.9328, 16.8954, 15.9928



16.6389, 33.1222, 5.5163



1.3293, 2.6126, 0.4342

Inverse Universe

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



46.6627, 22.2901, 81.9670



55.0807, 26.3100, 96.7830



38.9808, 19.6276, 22.9826



15.6419, 15.2762, 19.0464



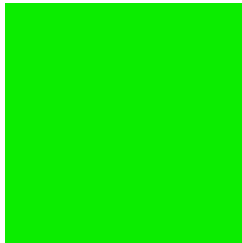
25.5065, 12.1850, 44.7506



2.0242, 0.9678, 3.5150

Previews

White Background



This preview shows how the XYZ color 30.4222, 60.6395, 10.1012 looks on a white background.

Color Contrast Check

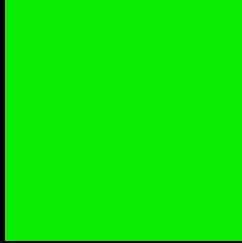
Large Text (above 18pt) WCAG AA × Fail

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 30.4222, 60.6395, 10.1012 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 30.4222, 60.6395, 10.1012

Background



This preview shows how black text looks on a background with the XYZ color 30.4222, 60.6395, 10.1012.



This preview shows how white text looks on a background with the XYZ color 30.4222, 60.6395,

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

30.4222, 60.6395, 10.1012

Protanopia

53.3508, 59.2059, 8.6160

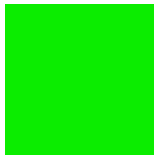
Deuteranopia

60.3202, 59.0091, 11.3426



Tritanopia
46.2813, 60.0688, 90.0441

Trichromacy



Original Color

30.4222, 60.6395, 10.1012



Protanomaly

36.6949, 54.9904, 8.6802



Deuteranomaly

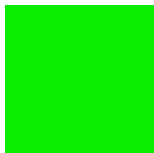
38.5425, 53.3230, 9.6275



Tritanomaly

35.1662, 57.8560, 38.5920

Monochromacy



Original Color

30.4222, 60.6395, 10.1012



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.1837, 34.5621, 15.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4222, 60.6395, 10.1012 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(11, 237, 0)` looks like.

```
.text, #text, p{
  color:rgb(11, 237, 0)
}
```

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(11, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 237, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.4222, 60.6395, 10.1012 is called "border". The border property can be set on classes, ids or directly on the HTML element.

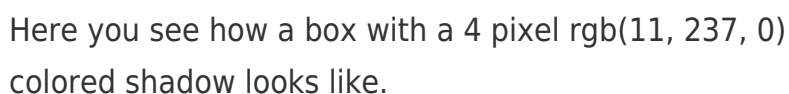
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(11, 237, 0) }
```


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

```
.border{ border-color:rgb(11, 237, 0) }
```

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



Here you see how a box with a 4 pixel rgb(11, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(11, 237, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(11, 237, 0); box-shadow:4px 4px 4px 4px rgb(11, 237, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4222, 60.6395, 10.1012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 237, 0) }
```

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

```
.background{ background-color: rgb(11, 237,  
0) }
```

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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