

Converting Colors

XYZ(32.0703, 63.2031, 11.7376)

Have a look what the booklet for
XYZ(32.0703, 63.2031, 11.7376)
contains.

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Color

**XYZ(32.0663, 63.1985,
11.7368)**

Conversions

Conversions Part 1

Format	Color
Hex	18F11E
RGB	24, 241, 30
RGB Percent	9%, 95%, 12%
CMY	0.9059, 0.0549, 0.8823
CMYK	0.90, 0.00, 0.88, 0.05
HSL	122°, 89%, 52%
HSV	122°, 90%, 95%
XYZ	32.0663, 63.1985, 11.7368
YIQ	152.0630, -61.6010, -111.6250

Conversions

Conversions Part 2

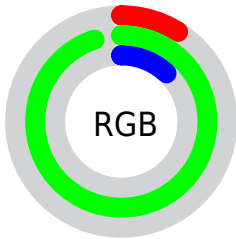
Format	Color
R _Y B	24, 235, 241
Decimal	1634590
CIE Lab	83.55, -81.01, 76.45
CIE LCh	84, 111.384, 136.657
Yxy	63.1985, 0.2997, 0.5906
Android (android.graphics.Color)	4279824670 (0xFF18F11E)
YUV	152.0630, -60.1771, -112.3113
Hunter-Lab	79.4975, -67.1204, 46.8948

Details

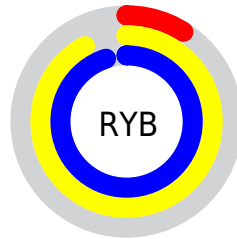
The XYZ color **32.0663, 63.1985, 11.7368** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **51.5973, 25.3522, 80.7620**, and the grayscale version is **30.1449, 31.7148, 34.5374**.

A 20% lighter version of the original color is **45.7579, 76.4139, 24.1421**, and **16.9335, 33.8670, 5.6445** is the 20% darker color. If you saturate the color by 10%, you get **31.4932, 62.9278, 10.6783**, and if you desaturate by 10%, it is **33.3331, 63.8051, 13.9812**.

Distribution



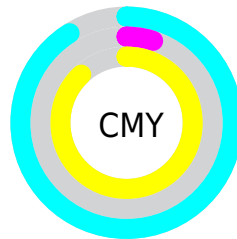
- Red (9%)
- Green (95%)
- Blue (12%)



- Red (9%)
- Yellow (92%)
- Blue (95%)



- Cyan (90%)
- Magenta (0%)
- Yellow (88%)
- Black (5%)





- Cyan (91%)
- Magenta (5%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0663, 63.1985, 11.7368 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 32.0663, 63.1985, 11.7368 by changing the saturation by 10% instead.


 32.0663, 63.1985,
11.7368


 32.0663, 63.1985,
11.7368


303.1611,
436.2895, 213.5707


 21.5679, 46.0018,
6.4444


 62.2795, 109.4558,
29.6720


 13.6546, 32.2473,
3.0440


 82.7251, 139.2853,
43.1519


 7.9609, 21.5504,
1.1171

 107.2171,
174.0944, 60.1980

 4.1215, 13.5269,
0.0000

 136.1208,
214.2677, 81.2288

 1.7711, 7.7924,
0.0000

 169.8018,
260.1894, 106.6630

 0.5002, 3.9624,
0.0000

 208.6252,

 0.0000, 1.6525,

312.2440, 136.9190

0.0000

252.9566,
370.8159, 172.4154

■ 0.0000, 0.3926,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.0663, 63.1985,
11.7368

■ 32.0663, 63.1985,
11.7368


■ 31.4932, 62.9278,
10.6783


■ 33.3331, 63.8051,
13.9812


■ 35.4793, 64.8327,
17.6430


■ 38.6275, 66.3424,
22.9055


■ 42.8799, 68.3837,
29.9235

 48.3262, 70.9998,
38.8338

 55.0469, 74.2295,
49.7594

 63.1152, 78.1084,
62.8131

 72.5992, 82.6690,
78.0993

 83.5621, 87.9421,
95.7156

Harmonies

Analogous

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



47.6322, 63.1985, 3.7244



32.0663, 63.1985, 11.7368



25.0807, 63.1985, 42.2946

Triad

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



32.0663, 63.1985, 11.7368



49.9068, 63.1985, 298.8048



116.9533, 63.1985, 37.1108

Complementary

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



32.0663, 63.1985, 11.7368



51.5973, 25.3522, 80.7620

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.



118.0487, 63.1985, 104.5907



32.0663, 63.1985, 11.7368



74.4998, 63.1985, 293.4979

Square

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



32.0663, 63.1985, 11.7368



33.3420, 63.1985, 219.4638



100.9155, 63.1985, 207.8035



98.2356, 63.1985, 10.1308

Rectangle

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



32.0663, 63.1985, 11.7368



24.5553, 63.1985, 85.5418



100.9155, 63.1985, 207.8035



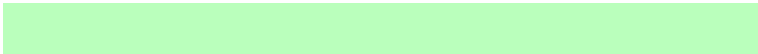
119.5412, 63.1985, 54.4201

Sweetspot

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



32.0678, 63.2011, 11.7382



65.1296, 85.6113, 60.7022



66.6760, 81.0504, 12.9942



13.3111, 18.0218, 11.9729



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.



32.0678, 63.2011, 11.7382



35.7987, 71.5355, 12.1240



36.2856, 64.8883, 33.9489



15.5837, 17.6635, 16.8305



17.0854, 34.1262, 5.8327



1.4275, 2.8415, 0.5179

Inverse Universe

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



51.5973, 25.3522, 80.7620



58.1724, 28.0330, 91.0950



40.5585, 20.9367, 22.6323



16.4342, 16.0234, 19.8429



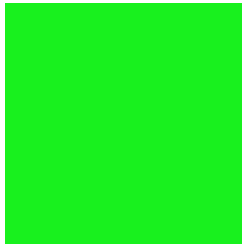
27.7586, 13.3759, 43.5071



2.3152, 1.1151, 3.6507

Previews

White Background



This preview shows how the XYZ color 32.0663, 63.1985, 11.7368 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 32.0663, 63.1985, 11.7368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

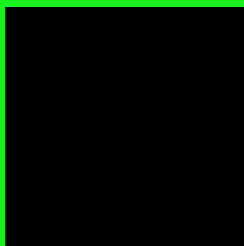
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.0663, 63.1985, 11.7368

Background



This preview shows how black text looks on a background with the XYZ color 32.0663, 63.1985, 11.7368.



This preview shows how white text looks on a background with the XYZ color 32.0663, 63.1985,

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

32.0663, 63.1985, 11.7368

Protanopia

55.6927, 61.8219, 9.5278

Deuteranopia

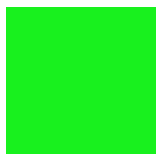
62.5413, 61.3644, 16.7318



Tritanopia

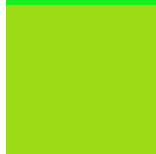
48.2762, 62.6057, 93.5441

Trichromacy



Original Color

32.0663, 63.1985, 11.7368



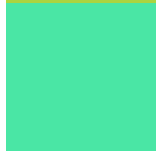
Protanomaly

39.1866, 57.7889, 9.8481



Deuteranomaly

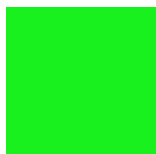
41.2635, 56.1151, 13.5070



Tritanomaly

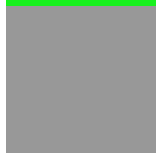
37.9124, 60.7661, 45.3281

Monochromacy



Original Color

32.0663, 63.1985, 11.7368



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.6730, 38.3669, 20.2398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0663, 63.1985, 11.7368 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(24, 241, 30)` looks like.

```
.text, #text, p{  
    color:rgb(24, 241, 30)  
}
```

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(24, 241, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 241, 30) }
```

Border

The CSS property to change the border of an element to XYZ 32.0663, 63.1985, 11.7368 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(24, 241, 30) }
```


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

```
.border{ border-color:rgb(24, 241, 30) }
```

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

Here you see how a box with a 4 pixel rgb(24, 241, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 241, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 241, 30);  
box-shadow:4px 4px 4px 4px rgb(24, 241,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0663, 63.1985, 11.7368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 241, 30) }
```

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

```
.background{ background-color: rgb(24, 241,  
30) }
```

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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