

Converting Colors

XYZ(32.3692, 63.3543, 11.9764)

Have a look what the booklet for
XYZ(32.3692, 63.3543, 11.9764)
contains.

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Color

**XYZ(32.3570, 63.3437,
11.9600)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 21F121 |
| RGB | 33, 241, 33 |
| RGB Percent | 13%, 95%, 13% |
| CMY | 0.8706, 0.0549, 0.8705 |
| CMYK | 0.86, 0.00, 0.86, 0.05 |
| HSL | 120°, 88%, 54% |
| HSV | 120°, 86%, 95% |
| XYZ | 32.3570, 63.3437, 11.9600 |
| YIQ | 155.0960, -57.2000, -108.7840 |

Conversions

Conversions Part 2

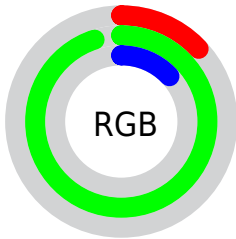
| Format | Color |
|-------------------------------------|----------------------------------|
| R _Y B | 33, 241, 241 |
| Decimal | 2224417 |
| CIE Lab | 83.62, -80.28, 75.98 |
| CIE LCh | 84, 110.538, 136.578 |
| Yxy | 63.3437, 0.3005, 0.5884 |
| Android (android.graphics.Color) | 4280414497 (0xFF21F121) |
| YUV | 155.0960, -60.1933, -107.0782 |
| Hunter-Lab | 79.5888, -66.7107, 46.8025 |

Details

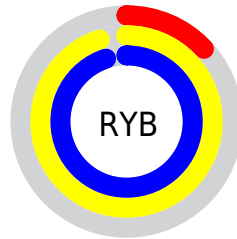
The XYZ color **32.3570, 63.3437, 11.9600** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **52.6969, 26.1396, 85.4805**, and the grayscale version is **31.4766, 33.1159, 36.0632**.

A 20% lighter version of the original color is **46.2773, 76.6705, 24.6717**, and **16.9335, 33.8670, 5.6445** is the 20% darker color. If you saturate the color by 10%, you get **31.6168, 62.9901, 10.7479**, and if you desaturate by 10%, it is **33.8910, 64.0825, 14.4685**.

Distribution



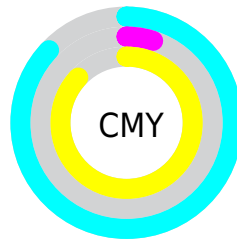
- Red (13%)
- Green (95%)
- Blue (13%)



- Red (13%)
- Yellow (95%)
- Blue (95%)



- Cyan (86%)
- Magenta (0%)
- Yellow (86%)
- Black (5%)



- Cyan (87%)
- Magenta (5%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3570, 63.3437, 11.9600 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 32.3570, 63.3437, 11.9600 by changing the saturation by 10% instead.


 32.3570, 63.3437,
11.9600


 32.3570, 63.3437,
11.9600


304.4588,
436.8158, 215.1088

 21.7912, 46.1193,
6.5942


 62.7318, 109.6652,
30.0855

 13.8193, 32.3400,
3.1351


 83.2714, 139.5311,
43.6824


 8.0759, 21.6213,
1.1640


 107.8664,
174.3797, 60.8600

 4.1958, 13.5789,
0.0000

 136.8821,
214.5953, 82.0370

 1.8135, 7.8284,
0.0000

 170.6838,
260.5623, 107.6318

 0.5258, 3.9853,
0.0000

 209.6369,

 0.0000, 1.6654,

312.6651, 138.0630

0.0000

254.1068,
371.2881, 173.7492

■ 0.0000, 0.4011,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.3570, 63.3437,
11.9600

■ 32.3570, 63.3437,
11.9600

■ 31.6168, 62.9901,
10.7479


■ 33.8910, 64.0825,
14.4685


■ 31.4566, 62.9131,
10.4859


■ 36.3603, 65.2686,
18.5079


■ 39.8836, 66.9610,
24.2710


■ 44.5608, 69.2077,
31.9216

 50.4804, 72.0512,
41.6042

 57.7222, 75.5298,
53.4494

 66.3594, 79.6787,
67.5768

 76.4599, 84.5305,
84.0974

 88.0869, 90.1156,
103.1149

Harmonies

Analogous

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



47.8911, 63.3437, 3.8810



32.3570, 63.3437, 11.9600



25.3601, 63.3437, 42.4484

Triad

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



32.3570, 63.3437, 11.9600



50.0456, 63.3437, 296.4848



116.6672, 63.3437, 37.5275

Complementary

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



32.3570, 63.3437, 11.9600



52.6969, 26.1396, 85.4805

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.



117.7001, 63.3437, 104.7275



32.3570, 63.3437, 11.9600



74.4701, 63.3437, 291.4959

Square

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



32.3570, 63.3437, 11.9600



33.5685, 63.3437, 217.9325



100.6831, 63.3437, 206.9580



98.1540, 63.3437, 10.4191

Rectangle

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



32.3570, 63.3437, 11.9600



24.8223, 63.3437, 85.3758



100.6831, 63.3437, 206.9580



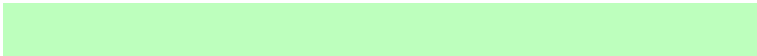
119.2137, 63.3437, 54.8141

Sweetspot

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



32.3585, 63.3463, 11.9614



65.8251, 85.9618, 61.0988



68.0082, 81.7244, 13.6289



13.4368, 18.0859, 12.0104



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.



32.3585, 63.3463, 11.9614



35.7601, 71.5200, 11.9204



36.5993, 65.0427, 34.2933



15.5660, 17.6564, 16.7375



17.0576, 34.1150, 5.6862



1.4190, 2.8381, 0.4731

Inverse Universe

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



52.6969, 26.1396, 85.4805



59.2875, 28.4790, 96.9668



41.3365, 21.5955, 25.6575



16.4543, 16.0314, 19.9485



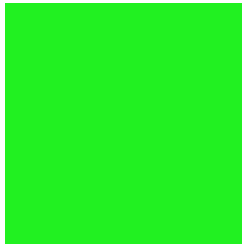
28.2801, 13.5845, 46.2533



2.3527, 1.1301, 3.8479

Previews

White Background



This preview shows how the XYZ color 32.3570, 63.3437, 11.9600 looks on a white background.

Color Contrast Check

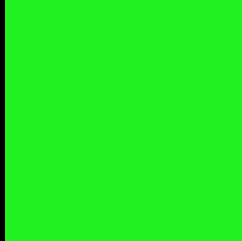
Large Text (above 18pt) WCAG AA × Fail

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 32.3570, 63.3437, 11.9600 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 32.3570, 63.3437, 11.9600

Background



This preview shows how black text looks on a background with the XYZ color 32.3570, 63.3437, 11.9600.

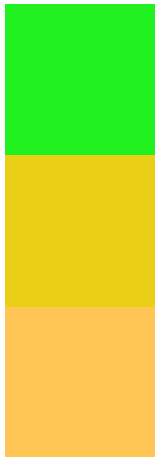


This preview shows how white text looks on a background with the XYZ color 32.3570, 63.3437,

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

32.3570, 63.3437, 11.9600

Protanopia

56.0619, 62.0072, 9.7729

Deuteranopia

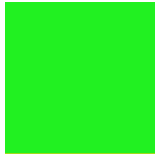
62.8459, 61.8484, 17.2199



Tritanopia

48.5084, 62.7254, 93.5549

Trichromacy



Original Color

32.3570, 63.3437, 11.9600



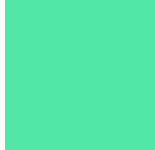
Protanomaly

40.0152, 58.2112, 10.1041



Deuteranomaly

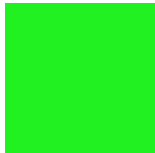
42.2332, 56.9805, 13.9267



Tritanomaly

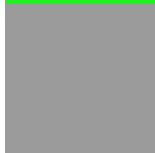
38.4042, 61.0091, 45.8282

Monochromacy



Original Color

32.3570, 63.3437, 11.9600



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

26.9837, 39.6450, 21.2690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3570, 63.3437, 11.9600 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(33, 241, 33)` looks like.

```
.text, #text, p{  
    color:rgb(33, 241, 33)  
}
```

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(33, 241, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 241, 33) }
```

Border

The CSS property to change the border of an element to XYZ 32.3570, 63.3437, 11.9600 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(33, 241, 33) }
```


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

```
.border{ border-color:rgb(33, 241, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 241, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 241, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 241, 33);  
box-shadow:4px 4px 4px 4px rgb(33, 241,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3570, 63.3437, 11.9600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 241, 33) }
```

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

```
.background{ background-color: rgb(33, 241,  
33) }
```

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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