

Converting Colors

XYZ(32.4312, 63.9668, 10.6375)

Have a look what the booklet for
XYZ(32.4312, 63.9668, 10.6375)
contains.

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Color

**XYZ(32.3478, 63.8113,
10.6119)**

Conversions

Conversions Part 1

Format	Color
Hex	20F200
RGB	32, 242, 0
RGB Percent	13%, 95%, 0%
CMY	0.8745, 0.0510, 0.9999
CMYK	0.87, 0.00, 1.00, 0.05
HSL	112°, 100%, 47%
HSV	112°, 100%, 95%
XYZ	32.3478, 63.8113, 10.6119
YIQ	151.6220, -47.4780, -119.7820

Conversions

Conversions Part 2

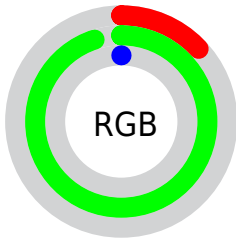
Format	Color
RYB	0, 242, 210
Decimal	2159104
CIELab	83.87, -81.37, 80.15
CIELCh	84, 114.214, 135.435
Yxy	63.8113, 0.3030, 0.5976
Android (android.graphics.Color)	4280349184 (0xFF20F200)
YUV	151.6220, -74.7496, -104.9085
Hunter-Lab	79.8820, -67.5108, 48.0410

Details

The XYZ color **32.3478, 63.8113, 10.6119** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **42.6171, 20.1190, 85.6449**, and the grayscale version is **30.0117, 31.5746, 34.3848**.

A 20% lighter version of the original color is **45.7738, 76.4691, 22.0204**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **32.3482, 63.8134, 10.6123**, and if you desaturate by 10%, it is **33.3891, 64.3307, 11.5343**.

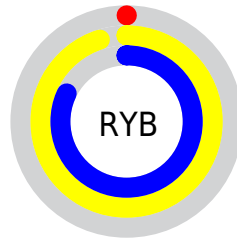
Distribution



Red (13%)

Green (95%)

Blue (0%)



Red (0%)

Yellow (95%)

Blue (82%)

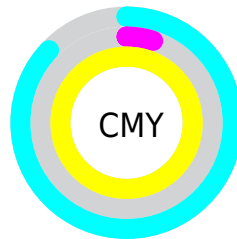


Cyan (87%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (87%)


Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3478, 63.8113, 10.6119 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 32.3478, 63.8113, 10.6119 by changing the saturation by 10% instead.


 32.3478, 63.8113,
10.6119


 32.3478, 63.8113,
10.6119


304.4178,
438.5079, 205.6262

 21.7841, 46.4979,
5.6956


 62.7175, 110.3391,
27.5658

 13.8141, 32.6389,
2.5951


 83.2541, 140.3223,
40.4406


 8.0723, 21.8499,
0.8899


 107.8459,
175.2975, 56.8053

 4.1934, 13.7467,
0.0000

 136.8580,
215.6492, 77.0784

 1.8121, 7.9447,
0.0000

 170.6559,
261.7616, 101.6785

 0.5250, 4.0596,
0.0000

 209.6050,

 0.0000, 1.7069,

314.0193, 131.0241

0.0000

254.0705,
372.8066, 165.5338

■ 0.0000, 0.4281,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.3478, 63.8113,
10.6119

■ 32.3478, 63.8113,
10.6119

■ 32.3482, 63.8134,
10.6123

■ 33.3891, 64.3307,
11.5343

■ 35.1206, 65.1799,
13.5736

■ 37.6644, 66.4165,
17.0747

■ 41.1078, 68.0808,
22.2435

■ 45.5262, 70.2080,
29.2529

■ 50.9872, 72.8297,
38.2542

■ 57.5520, 75.9744,
49.3830

■ 65.2771, 79.6687,
62.7631

■ 74.2153, 83.9373,
78.5087

Harmonies

Analogous

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



48.6881, 63.8113, 3.2580



32.3478, 63.8113, 10.6119



24.8973, 63.8113, 40.1874

Triad

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



32.3478, 63.8113, 10.6119



49.3022, 63.8113, 307.5938



120.1029, 63.8113, 38.7961

Complementary

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



32.3478, 63.8113, 10.6119



42.6171, 20.1190, 85.6449

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.



120.4023, 63.8113, 110.3718



32.3478, 63.8113, 10.6119



74.4280, 63.8113, 306.1312

Square

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



32.3478, 63.8113, 10.6119



32.6899, 63.8113, 221.8695



101.9573, 63.8113, 218.6661



101.2262, 63.8113, 10.1934

Rectangle

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



32.3478, 63.8113, 10.6119



24.1675, 63.8113, 83.4152



101.9573, 63.8113, 218.6661



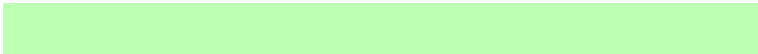
122.5224, 63.8113, 57.1896

Sweetspot

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



32.3493, 63.8140, 10.6133



64.7349, 85.5230, 55.4789



59.6024, 64.8438, 9.3757



13.1547, 17.9697, 10.6782



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.



32.3493, 63.8140, 10.6133



36.4094, 71.8548, 11.9504



33.5468, 64.2242, 20.0261



15.7600, 17.7564, 16.7464



17.4403, 34.3124, 5.7038



1.5118, 2.8859, 0.4773

Inverse Universe

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



42.6171, 20.1190, 85.6449



47.9639, 22.6412, 96.4499



42.3929, 21.1880, 32.1146



16.2369, 15.9193, 19.9386



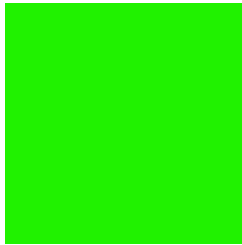
22.9764, 10.8502, 46.0112



1.9679, 0.9318, 3.8303

Previews

White Background



This preview shows how the XYZ color 32.3478, 63.8113, 10.6119 looks on a white background.

Color Contrast Check

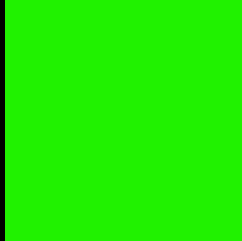
Large Text (above 18pt) WCAG AA × Fail

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 32.3478, 63.8113, 10.6119 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 32.3478, 63.8113, 10.6119

Background



This preview shows how black text looks on a background with the XYZ color 32.3478, 63.8113, 10.6119.

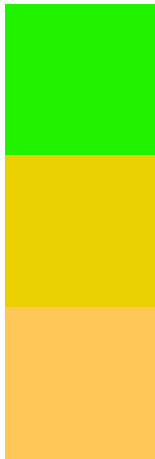


This preview shows how white text looks on a background with the XYZ color 32.3478, 63.8113,

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

32.3478, 63.8113, 10.6119

Protanopia

56.4876, 62.6042, 9.1066

Deuteranopia

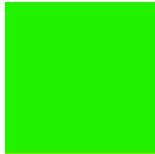
63.1955, 62.3527, 17.9370



Tritanopia

48.9286, 63.3247, 94.4381

Trichromacy



Original Color

32.3478, 63.8113, 10.6119



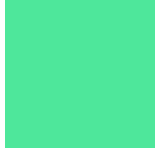
Protanomaly

40.2911, 58.7635, 9.2189



Deuteranomaly

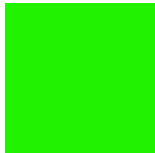
42.2159, 57.3773, 12.5913



Tritanomaly

37.6342, 61.1381, 40.8277

Monochromacy



Original Color

32.3478, 63.8113, 10.6119



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.6910, 38.7491, 17.4345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3478, 63.8113, 10.6119 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(32, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(32, 242, 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(32, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 242, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.3478, 63.8113, 10.6119 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(32, 242, 0) }
```


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

```
.border{ border-color:rgb(32, 242, 0) }
```

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

Here you see how a box with a 4 pixel rgb(32, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(32, 242, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3478, 63.8113, 10.6119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 242, 0) }
```

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

```
.background{ background-color: rgb(32, 242,  
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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