

Converting Colors

XYZ(31.9329, 60.0265, 10.3504)

Have a look what the booklet for
XYZ(31.9329, 60.0265, 10.3504)
contains.

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Color

**XYZ(32.0348, 60.1822,
10.3799)**

Conversions

Conversions Part 1

Format	Color
Hex	46EA0F
RGB	70, 234, 15
RGB Percent	27%, 92%, 6%
CMY	0.7255, 0.0823, 0.9411
CMYK	0.70, 0.00, 0.94, 0.08
HSL	105°, 88%, 49%
HSV	105°, 94%, 92%
XYZ	32.0348, 60.1822, 10.3799
YIQ	159.9980, -27.4450, -102.8770

Conversions

Conversions Part 2

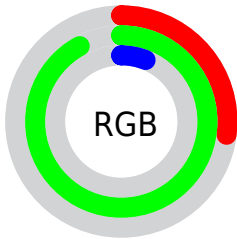
Format	Color
RYB	15, 234, 179
Decimal	4647439
CIELab	81.94, -74.18, 77.49
CIElCh	82, 107.276, 133.749
Yxy	60.1822, 0.3122, 0.5866
Android (android.graphics.Color)	4282837519 (0xFF46EA0F)
YUV	159.9980, -71.4840, -78.9282
Hunter-Lab	77.5772, -62.0501, 46.3710

Details

The XYZ color **32.0348, 60.1822, 10.3799** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **33.6207, 15.8706, 79.1365**, and the grayscale version is **33.7437, 35.5010, 38.6606**.

A 20% lighter version of the original color is **48.6763, 77.9554, 22.6066**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **31.2126, 59.7701, 9.8917**, and if you desaturate by 10%, it is **33.7605, 61.0424, 11.8730**.

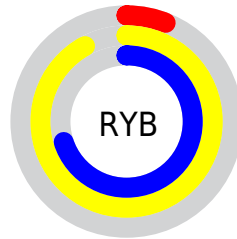
Distribution



Red (27%)

Green (92%)

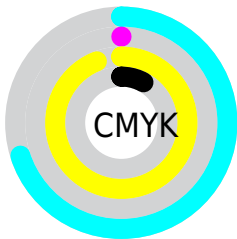
Blue (6%)



Red (6%)

Yellow (92%)

Blue (70%)

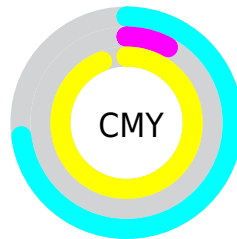


Cyan (70%)

Magenta (0%)

Yellow (94%)

Black (8%)



Cyan (73%)


Magenta (8%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0348, 60.1822, 10.3799 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 32.0348, 60.1822, 10.3799 by changing the saturation by 10% instead.


 32.0348, 60.1822,
10.3799


 32.0348, 60.1822,
10.3799


303.0202,
425.2690, 203.9447

 21.5438, 43.5655,
5.5427


 62.2305, 105.0939,
27.1266

 13.6368, 30.3291,
2.5048


 82.6658, 134.1578,
39.8731


 7.9485, 20.0885,
0.8427


 107.1466,
168.1394, 56.0931

 4.1135, 12.4594,
0.0000

 136.0382,
207.4233, 76.2051

 1.7666, 7.0574,
0.0000

 169.7061,
252.3938, 100.6278

 0.4974, 3.4980,
0.0000

 208.5154,

 0.0000, 1.3969,

303.4353, 129.7796

0.0000

252.8317,
360.9323, 164.0791

■ 0.0000, 0.2145,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.0348, 60.1822,
10.3799

■ 32.0348, 60.1822,
10.3799

■ 31.2126, 59.7701,
9.8917

■ 33.7605, 61.0424,
11.8730

■ 36.1205, 62.2004,
14.6347

■ 39.1808, 63.6874,
18.8696

■ 42.9969, 65.5286,
24.7453

■ 47.6185, 67.7463,
32.4065

■ 53.0904, 70.3609,
41.9823

■ 59.4544, 73.3914,
53.5896

■ 66.7491, 76.8552,
67.3362

■ 75.0108, 80.7690,
83.3220

Harmonies

Analogous

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



47.4504, 60.1822, 3.6786



32.0348, 60.1822, 10.3799



24.7187, 60.1822, 36.4235

Triad

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



32.0348, 60.1822, 10.3799



45.8451, 60.1822, 273.4273



110.8763, 60.1822, 40.1016

Complementary

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



32.0348, 60.1822, 10.3799



33.6207, 15.8706, 79.1365

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.



110.1120, 60.1822, 107.0601



32.0348, 60.1822, 10.3799



68.2044, 60.1822, 277.1016

Square

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



32.0348, 60.1822, 10.3799



31.1287, 60.1822, 195.3865



92.9660, 60.1822, 203.4838



94.8396, 60.1822, 11.5502

Rectangle

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



32.0348, 60.1822, 10.3799



23.7881, 60.1822, 74.0384



92.9660, 60.1822, 203.4838



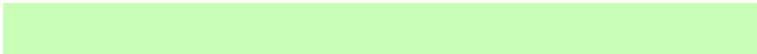
112.6835, 60.1822, 57.6965

Sweetspot

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



32.0362, 60.1847, 10.3812



68.5985, 87.4543, 58.3927



49.4685, 48.4257, 7.1927



13.9829, 18.3853, 11.2301



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.



32.0362, 60.1847, 10.3812



37.8754, 72.6105, 12.0190



30.6084, 59.3447, 15.0144



15.2226, 17.0448, 16.0064



17.6362, 33.6363, 5.5629



1.4709, 2.6856, 0.4409

Inverse Universe

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



33.6207, 15.8706, 79.1365



39.5318, 18.2943, 96.0553



42.6421, 21.2507, 46.6046



15.3241, 15.1124, 19.0316



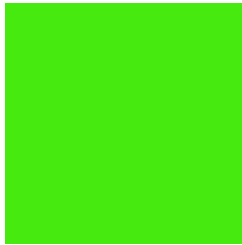
18.4339, 8.5389, 44.4196



1.5346, 0.7154, 3.4921

Previews

White Background



This preview shows how the XYZ color 32.0348, 60.1822, 10.3799 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 32.0348, 60.1822, 10.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

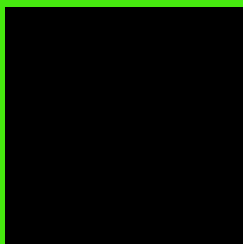
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.0348, 60.1822, 10.3799

Background



This preview shows how black text looks on a background with the XYZ color 32.0348, 60.1822, 10.3799.



This preview shows how white text looks on a background with the XYZ color 32.0348, 60.1822,

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

32.0348, 60.1822, 10.3799

Protanopia

53.1154, 58.7350, 8.5375

Deuteranopia

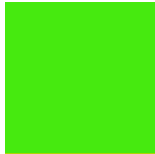
60.3202, 59.0091, 11.3426



Tritanopia

47.4029, 59.9229, 87.6651

Trichromacy



Original Color

32.0348, 60.1822, 10.3799



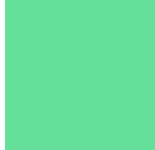
Protanomaly

40.8685, 56.7620, 8.9457



Deuteranomaly

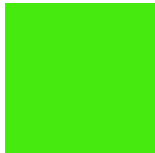
43.1562, 55.3304, 10.2390



Tritanomaly

37.8276, 58.3872, 40.2865

Monochromacy



Original Color

32.0348, 60.1822, 10.3799



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.1766, 41.1142, 20.3080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0348, 60.1822, 10.3799 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(70, 234, 15)` looks like.

```
.text, #text, p{  
    color:rgb(70, 234, 15)  
}
```

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(70, 234, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 234, 15) }
```

Border

The CSS property to change the border of an element to XYZ 32.0348, 60.1822, 10.3799 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(70, 234, 15) }
```


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

```
.border{ border-color:rgb(70, 234, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 234, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 234, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 234, 15);  
box-shadow:4px 4px 4px 4px rgb(70, 234,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0348, 60.1822, 10.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 234, 15) }
```

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

```
.background{ background-color: rgb(70, 234,  
15) }
```

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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