

Converting Colors

XYZ(32.1098, 58.3528, 16.8678)

Have a look what the booklet for
XYZ(32.1098, 58.3528, 16.8678)
contains.

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Color

**XYZ(32.1262, 58.4089,
16.7885)**

Conversions

Conversions Part 1

Format	Color
Hex	45E64E
RGB	69, 230, 78
RGB Percent	27%, 90%, 31%
CMY	0.7294, 0.0980, 0.6941
CMYK	0.70, 0.00, 0.66, 0.10
HSL	123°, 76%, 59%
HSV	123°, 70%, 90%
XYZ	32.1262, 58.4089, 16.7885
YIQ	164.5330, -47.1640, -81.4040

Conversions

Conversions Part 2

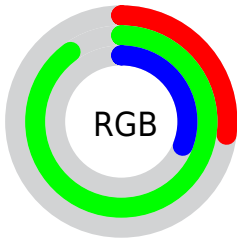
Format	Color
RYB	69, 221, 230
Decimal	4580942
CIELab	80.97, -69.66, 59.94
CIELCh	81, 91.898, 139.292
Yxy	58.4089, 0.2993, 0.5442
Android (android.graphics.Color)	4282771022 (0xFF45E64E)
YUV	164.5330, -42.6608, -83.7824
Hunter-Lab	76.4257, -58.7110, 40.4737

Details

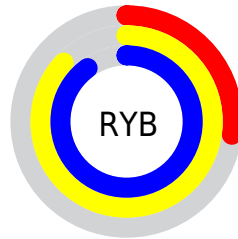
The XYZ color **32.1262, 58.4089, 16.7885** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **47.8138, 26.3005, 70.9633**, and the grayscale version is **35.7557, 37.6177, 40.9657**.

A 20% lighter version of the original color is **50.3102, 78.5318, 34.6968**, and **15.0040, 29.9113, 5.2993** is the 20% darker color. If you saturate the color by 10%, you get **30.1456, 57.4652, 13.2818**, and if you desaturate by 10%, it is **34.9984, 59.7860, 21.6806**.

Distribution



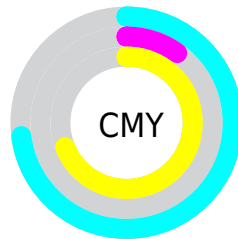
- Red (27%)
- Green (90%)
- Blue (31%)



- Red (27%)
- Yellow (87%)
- Blue (90%)



- Cyan (70%)
- Magenta (0%)
- Yellow (66%)
- Black (10%)





- Cyan (73%)
- Magenta (10%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1262, 58.4089, 16.7885 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 32.1262, 58.4089, 16.7885 by changing the saturation by 10% instead.

 32.1262, 58.4089,
16.7885


 32.1262, 58.4089,
16.7885


303.4288,
418.7079, 245.9532


 21.6139, 42.1375,
9.9235


 62.3727, 102.5181,
38.7474

 13.6885, 29.2089,
5.2433


 82.8377, 131.1246,
54.6784

 7.9846, 19.2389,
2.3295


 107.3510,
164.6116, 74.4684

 4.1368, 11.8431,
0.7477

 136.2778,
203.3635, 98.5360

 1.7798, 6.6369,
0.0000

 169.9837,
247.7647, 127.2997

 0.5055, 3.2361,
0.0000

208.8339,

 0.0000, 1.2562,

298.1996, 161.1782

0.0000

253.1938,
355.0525, 200.5898

■ 0.0000, 0.1069,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.1262, 58.4089,
16.7885

■ 32.1262, 58.4089,
16.7885

■ 30.1456, 57.4652,
13.2818

■ 34.9984, 59.7860,
21.6806


■ 28.9484, 56.8970,
11.0138


■ 38.8462, 61.6320,
28.0774


■ 28.3697, 56.6247,
9.8106


■ 43.7486, 63.9870,
36.0900


■ 49.7753, 66.8849,
45.8178

 56.9901, 70.3564,
57.3522

 65.4519, 74.4302,
70.7783

 75.2158, 79.1330,
86.1756

 86.3335, 84.4898,
103.6191

 87.5880, 85.0760,
106.4127

Harmonies

Analogous

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



44.2749, 58.4089, 7.0853



32.1262, 58.4089, 16.7885



26.7477, 58.4089, 46.0337

Triad

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



32.1262, 58.4089, 16.7885



48.9861, 58.4089, 232.3278



97.7485, 58.4089, 34.8595

Complementary

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



32.1262, 58.4089, 16.7885



47.8138, 26.3005, 70.9633

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.



99.8318, 58.4089, 85.1414



32.1262, 58.4089, 16.7885



68.5147, 58.4089, 222.8230

Square

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



32.1262, 58.4089, 16.7885



34.8937, 58.4089, 180.8270



88.1593, 58.4089, 159.4506



82.9881, 58.4089, 12.6223

Rectangle

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



32.1262, 58.4089, 16.7885



26.6513, 58.4089, 82.0792



88.1593, 58.4089, 159.4506



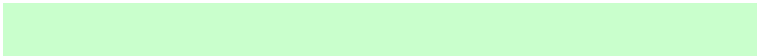
100.0643, 58.4089, 48.1216

Sweetspot

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



32.1276, 58.4113, 16.7898



70.9211, 88.3810, 70.7281



59.4823, 72.5480, 16.4985



14.6153, 18.6454, 14.2378



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.



32.1276, 58.4113, 16.7898



37.3040, 72.2423, 15.3196



36.8854, 60.3144, 41.8440



14.2218, 16.1022, 15.4330



16.0748, 32.0620, 5.6280



1.1995, 2.3739, 0.4769

Inverse Universe

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



47.8138, 26.3005, 70.9633



58.2069, 29.3044, 87.3993



39.6041, 23.0166, 27.7314



14.9585, 14.6006, 17.9817



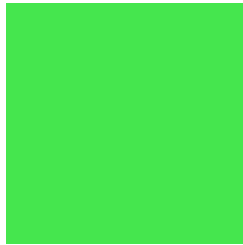
25.5913, 12.3707, 38.3381



1.9018, 0.9184, 2.8894

Previews

White Background



This preview shows how the XYZ color 32.1262, 58.4089, 16.7885 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 32.1262, 58.4089, 16.7885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

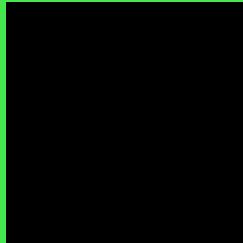
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.1262, 58.4089, 16.7885

Background



This preview shows how black text looks on a background with the XYZ color 32.1262, 58.4089, 16.7885.



This preview shows how white text looks on a background with the XYZ color 32.1262, 58.4089,

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

32.1262, 58.4089, 16.7885

Protanopia

52.1912, 57.4387, 14.1304

Deuteranopia

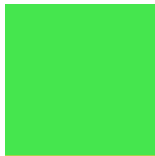
58.3078, 57.1751, 17.8603



Tritanopia

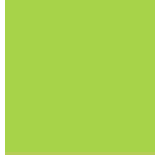
45.6760, 57.9378, 85.1197

Trichromacy



Original Color

32.1262, 58.4089, 16.7885



Protanomaly

40.4332, 55.2851, 14.8434



Deuteranomaly

42.8024, 54.2796, 17.0252



Tritanomaly

38.3594, 56.8624, 50.0281

Monochromacy



Original Color

32.1262, 58.4089, 16.7885



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.6372, 42.8345, 28.7907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1262, 58.4089, 16.7885 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(69, 230, 78)` looks like.

```
.text, #text, p{  
    color:rgb(69, 230, 78)  
}
```

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(69, 230, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 230, 78) }
```

Border

The CSS property to change the border of an element to XYZ 32.1262, 58.4089, 16.7885 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(69, 230, 78) }
```


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

```
.border{ border-color:rgb(69, 230, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 230, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 230, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 230, 78);  
box-shadow:4px 4px 4px 4px rgb(69, 230,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1262, 58.4089, 16.7885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 230, 78) }
```

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

```
.background{ background-color: rgb(69, 230,  
78) }
```

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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