

Converting Colors

XYZ(32.1861, 58.4271, 17.4644)

Have a look what the booklet for
XYZ(32.1861, 58.4271, 17.4644)
contains.

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Color

**XYZ(32.2037, 58.4318,
17.5638)**

Conversions

Conversions Part 1

Format	Color
Hex	44E652
RGB	68, 230, 82
RGB Percent	27%, 90%, 32%
CMY	0.7333, 0.0980, 0.6784
CMYK	0.70, 0.00, 0.64, 0.10
HSL	125°, 76%, 58%
HSV	125°, 70%, 90%
XYZ	32.2037, 58.4318, 17.5638
YIQ	164.6900, -49.0440, -80.3720

Conversions

Conversions Part 2

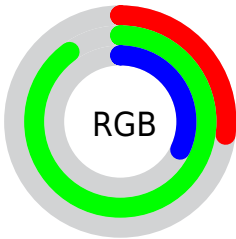
Format	Color
RYB	68, 217, 230
Decimal	4515410
CIELab	80.98, -69.44, 58.33
CIELCh	81, 90.687, 139.968
Yxy	58.4318, 0.2976, 0.5400
Android (android.graphics.Color)	4282705490 (0xFF44E652)
YUV	164.6900, -40.7662, -84.7971
Hunter-Lab	76.4407, -58.5710, 39.8854

Details

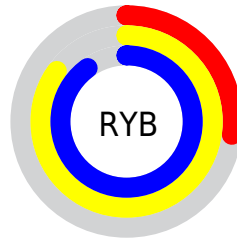
The XYZ color **32.2037, 58.4318, 17.5638** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **47.0963, 25.9159, 67.4859**, and the grayscale version is **35.8228, 37.6884, 41.0426**.

A 20% lighter version of the original color is **50.5919, 78.6445, 36.1804**, and **15.0789, 29.9413, 5.6940** is the 20% darker color. If you saturate the color by 10%, you get **30.2223, 57.4907, 13.9178**, and if you desaturate by 10%, it is **35.0615, 59.7998, 22.5310**.

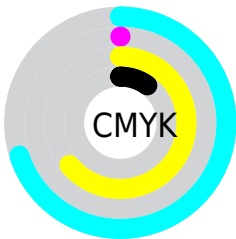
Distribution



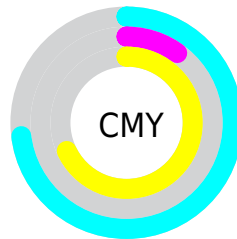
- Red (27%)
- Green (90%)
- Blue (32%)



- Red (27%)
- Yellow (85%)
- Blue (90%)



- Cyan (70%)
- Magenta (0%)
- Yellow (64%)
- Black (10%)



- Cyan (73%)
- Magenta (10%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2037, 58.4318, 17.5638 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 32.2037, 58.4318, 17.5638 by changing the saturation by 10% instead.


 32.2037, 58.4318,
17.5638


 32.2037, 58.4318,
17.5638


303.7750,
418.7930, 250.5538

 21.6734, 42.1559,
10.4711


 62.4933, 102.5514,
40.0965


 13.7324, 29.2234,
5.6027


 82.9834, 131.1639,
56.3735

 8.0152, 19.2499,
2.5402


 107.5241,
164.6573, 76.5491

 4.1566, 11.8510,
0.8614

 136.4809,
203.4161, 101.0417

 1.7911, 6.6423,
0.0000

170.2190,
247.8247, 130.2700

 0.5123, 3.2394,
0.0000

209.1038,

 0.0000, 1.2580,

298.2675, 164.6524

0.0000

253.5006,
355.1288, 204.6075

■ 0.0000, 0.1083,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.2037, 58.4318,
17.5638

■ 32.2037, 58.4318,
17.5638

■ 30.2223, 57.4907,
13.9178

■ 35.0615, 59.7998,
22.5310


■ 29.0115, 56.9196,
11.4632


■ 38.8775, 61.6295,
28.9250


■ 28.4232, 56.6461,
10.0921


■ 43.7288, 63.9601,
36.8455


■ 49.6835, 66.8249,
46.3820

 56.8037, 70.2543,
57.6171

 65.1472, 74.2762,
70.6278

 74.7677, 78.9168,
85.4864

 85.7157, 84.2007,
102.2612

 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.



44.0858, 58.4318, 7.4956



32.2037, 58.4318, 17.5638



27.0062, 58.4318, 47.2387

Triad

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



32.2037, 58.4318, 17.5638



49.4758, 58.4318, 229.6976



96.9099, 58.4318, 34.4141

Complementary

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



32.2037, 58.4318, 17.5638



47.0963, 25.9159, 67.4859

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.



99.2774, 58.4318, 83.4137



32.2037, 58.4318, 17.5638



68.8186, 58.4318, 218.9491

Square

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



32.2037, 58.4318, 17.5638



35.3809, 58.4318, 180.3615



88.0668, 58.4318, 156.1409



82.1834, 58.4318, 12.7185

Rectangle

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



32.2037, 58.4318, 17.5638



27.0018, 58.4318, 83.2761



88.0668, 58.4318, 156.1409



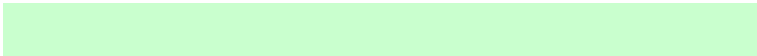
99.2878, 58.4318, 47.3330

Sweetspot

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



32.2051, 58.4342, 17.5651



71.1187, 88.4600, 71.7690



57.8094, 71.6892, 16.2594



14.6612, 18.6638, 14.4794



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.



32.2051, 58.4342, 17.5651



37.3068, 72.2321, 15.8451



37.2483, 60.4515, 44.1223



14.2397, 16.1093, 15.5268



16.1094, 32.0759, 5.8104



1.2080, 2.3773, 0.5218

Inverse Universe

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



47.0963, 25.9159, 67.4859



57.1198, 28.7337, 82.0934



39.1103, 22.7215, 25.4318



14.9386, 14.5926, 17.8768



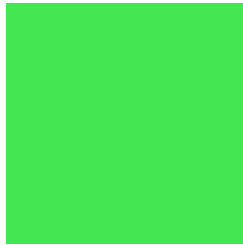
25.0922, 12.1711, 35.7099



1.8701, 0.9058, 2.7226

Previews

White Background



This preview shows how the XYZ color 32.2037, 58.4318, 17.5638 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 32.2037, 58.4318, 17.5638 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 32.2037, 58.4318, 17.5638

Background



This preview shows how black text looks on a background with the XYZ color 32.2037, 58.4318, 17.5638.



This preview shows how white text looks on a background with the XYZ color 32.2037, 58.4318,

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

32.2037, 58.4318, 17.5638

Protanopia

51.9811, 57.3192, 14.6273

Deuteranopia

58.4850, 57.2460, 18.7936



Tritanopia

45.6905, 57.9288, 85.8640

Trichromacy



Original Color

32.2037, 58.4318, 17.5638



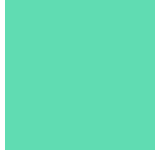
Protanomaly

40.3247, 55.2173, 15.3702



Deuteranomaly

42.7328, 54.2246, 17.8870



Tritanomaly

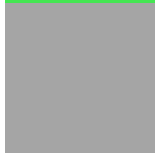
38.4530, 56.8875, 51.0732

Monochromacy



Original Color

32.2037, 58.4318, 17.5638



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.7767, 42.8903, 29.5255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2037, 58.4318, 17.5638 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(68, 230, 82)` looks like.

```
.text, #text, p{  
    color:rgb(68, 230, 82)  
}
```

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(68, 230, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 230, 82) }
```

Border

The CSS property to change the border of an element to XYZ 32.2037, 58.4318, 17.5638 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(68, 230, 82) }
```


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

```
.border{ border-color:rgb(68, 230, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 230, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 230, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 230, 82);  
box-shadow:4px 4px 4px 4px rgb(68, 230,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2037, 58.4318, 17.5638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 230, 82) }
```

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

```
.background{ background-color: rgb(68, 230,  
82) }
```

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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