

Converting Colors

XYZ(37.0092, 58.9594, 32.7117)

Have a look what the booklet for
XYZ(37.0092, 58.9594, 32.7117)
contains.

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Color

**XYZ(37.0071, 58.9370,
32.7181)**

Conversions

Conversions Part 1

Format	Color
Hex	65E288
RGB	101, 226, 136
RGB Percent	40%, 89%, 53%
CMY	0.6039, 0.1137, 0.4667
CMYK	0.55, 0.00, 0.40, 0.11
HSL	137°, 68%, 64%
HSV	137°, 55%, 89%
XYZ	37.0071, 58.9370, 32.7181
YIQ	178.3650, -45.6100, -54.4900

Conversions

Conversions Part 2

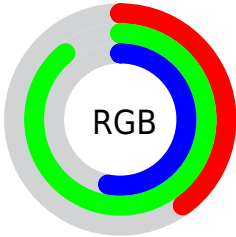
Format	Color
RYB	101, 199, 226
Decimal	6677128
CIELab	81.26, -54.11, 33.73
CIELCh	81, 63.755, 148.064
Yxy	58.9370, 0.2876, 0.4581
Android (android.graphics.Color)	4284867208 (0xFF65E288)
YUV	178.3650, -20.8859, -67.8491
Hunter-Lab	76.7704, -48.3025, 28.4710

Details

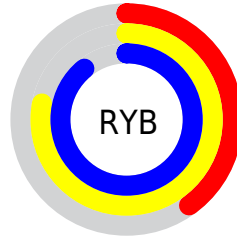
The XYZ color **37.0071, 58.9370, 32.7181** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **45.4234, 29.2388, 52.5414**, and the grayscale version is **42.6361, 44.8565, 48.8487**.

A 20% lighter version of the original color is **59.5515, 82.7113, 61.5414**, and **16.5795, 29.6966, 13.4525** is the 20% darker color. If you saturate the color by 10%, you get **33.7462, 57.3812, 26.9807**, and if you desaturate by 10%, it is **41.1423, 60.9265, 39.4155**.

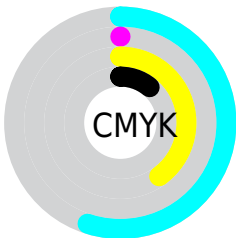
Distribution



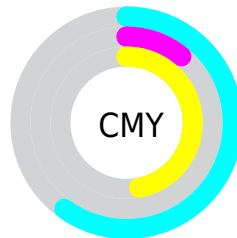
- Red (40%)
- Green (89%)
- Blue (53%)



- Red (40%)
- Yellow (78%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)





- Cyan (60%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0071, 58.9370, 32.7181 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 37.0071, 58.9370, 32.7181 by changing the saturation by 10% instead.


 37.0071, 58.9370,
32.7181


 37.0071, 58.9370,
32.7181


324.6963,
420.6684, 328.9705

 25.3867, 42.5624,
21.6412


 69.8975, 103.2861,
65.0461

 16.4956, 29.5419,
13.3977

 91.8981, 132.0294,
87.1343

 9.9686, 19.4912,
7.5691


 118.0896,
165.6644, 113.7300

 5.4403, 12.0257,
3.7367

 148.8372,
204.5754, 145.2518

 2.5452, 6.7612,
1.4820

184.5063,
249.1470, 182.1182

 0.9181, 3.3132,
0.2045

225.4623,

 0.0000, 1.2974,

299.7634, 224.7478

0.0000

272.0705,
356.8091, 273.5591

■ 0.0000, 0.1392,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0071, 58.9370,
32.7181

■ 37.0071, 58.9370,
32.7181

■ 33.7462, 57.3812,
26.9807

■ 41.1423, 60.9265,
39.4155

■ 31.2885, 56.2185,
22.1551


■ 46.2065, 63.3721,
47.1103


■ 29.5590, 55.4128,
18.1945


■ 52.2552, 66.3033,
55.8427

■ 28.4648, 54.9173,
15.0466

■ 59.3382, 69.7450,
65.6495

 28.1026, 54.7570,
13.8321

 67.5018, 73.7204,
76.5657

 76.7894, 78.2510,
88.6247

 85.6784, 82.5514,
101.7852

 86.4875, 82.8750,
106.0458

Harmonies

Analogous

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



44.8337, 58.9370, 18.8286



37.0071, 58.9370, 32.7181



34.1600, 58.9370, 61.7307

Triad

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



37.0071, 58.9370, 32.7181



55.1587, 58.9370, 168.6472



81.7333, 58.9370, 35.5290

Complementary

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



37.0071, 58.9370, 32.7181



45.4234, 29.2388, 52.5414

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.



85.6408, 58.9370, 66.6776



37.0071, 58.9370, 32.7181



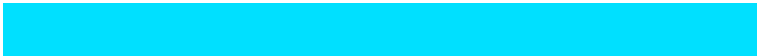
68.9226, 58.9370, 152.8577

Square

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



37.0071, 58.9370, 32.7181



43.5566, 58.9370, 148.4885



80.6273, 58.9370, 111.2014



70.6544, 58.9370, 19.9420

Rectangle

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



37.0071, 58.9370, 32.7181



35.0632, 58.9370, 89.6496



80.6273, 58.9370, 111.2014



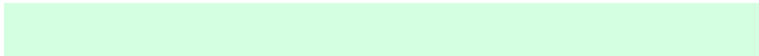
83.9991, 58.9370, 44.0466

Sweetspot

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



37.0086, 58.9394, 32.7194



76.2364, 90.8354, 83.8854



51.4548, 66.6288, 22.4609



15.9015, 19.2401, 17.3832



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.



37.0086, 58.9394, 32.7194



43.9534, 75.2482, 34.6980



42.6238, 61.1855, 62.2888



13.6857, 15.4000, 15.3803



16.0756, 31.2551, 8.1209



1.1518, 2.1814, 0.7606

Inverse Universe

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



45.4234, 29.2388, 52.5414



55.9938, 32.5758, 62.9307



40.0598, 27.0933, 24.2966



14.1228, 13.8667, 16.4167



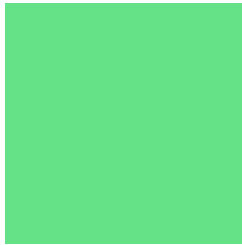
21.7033, 10.7483, 20.9014



1.5419, 0.7600, 1.6465

Previews

White Background



This preview shows how the XYZ color 37.0071, 58.9370, 32.7181 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 37.0071, 58.9370, 32.7181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

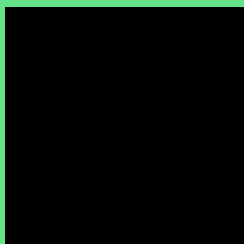
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

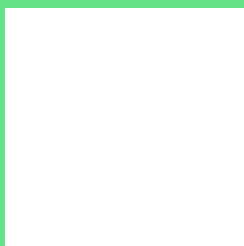
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0071, 58.9370, 32.7181

Background



This preview shows how black text looks on a background with the XYZ color 37.0071, 58.9370, 32.7181.



This preview shows how white text looks on a background with the XYZ color 37.0071, 58.9370,

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

37.0071, 58.9370, 32.7181

Protanopia

53.3336, 57.7203, 28.0688

Deuteranopia

59.1436, 57.8900, 34.4422



Tritanopia

47.4701, 58.8627, 85.2036

Trichromacy



Original Color

37.0071, 58.9370, 32.7181



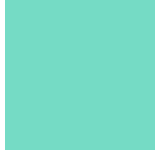
Protanomaly

44.5089, 56.3266, 29.6453



Deuteranomaly

47.1396, 55.8002, 33.4853



Tritanomaly

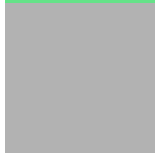
42.7457, 58.4762, 61.8574

Monochromacy



Original Color

37.0071, 58.9370, 32.7181



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.7036, 48.1586, 41.9060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0071, 58.9370, 32.7181 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(101, 226, 136)` looks like.

```
.text, #text, p{  
    color:rgb(101, 226, 136)  
}
```

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(101, 226, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 226, 136) }
```

Border

The CSS property to change the border of an element to XYZ 37.0071, 58.9370, 32.7181 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(101, 226, 136) }
```


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

```
.border{ border-color:rgb(101, 226, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 226, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 226, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 226, 136);  
box-shadow:4px 4px 4px 4px rgb(101, 226,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0071, 58.9370, 32.7181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 226, 136) }
```

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

```
.background{ background-color: rgb(101,  
226, 136) }
```

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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