

Converting Colors

XYZ(27.1098, 37.9925, 15.8054)

Have a look what the booklet for
XYZ(27.1098, 37.9925, 15.8054)
contains.

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Color

**XYZ(27.1117, 37.9870,
15.8008)**

Conversions

Conversions Part 1

Format	Color
Hex	80B45B
RGB	128, 180, 91
RGB Percent	50%, 71%, 36%
CMY	0.4980, 0.2941, 0.6431
CMYK	0.29, 0.00, 0.49, 0.29
HSL	95°, 37%, 53%
HSV	95°, 49%, 71%
XYZ	27.1117, 37.9870, 15.8008
YIQ	154.3060, -2.4230, -38.7030

Conversions

Conversions Part 2

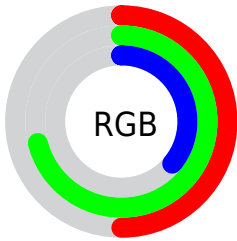
Format	Color
RYB	91, 180, 143
Decimal	8434779
CIELab	68.01, -32.98, 39.75
CIELCh	68, 51.648, 129.684
Yxy	37.9870, 0.3351, 0.4696
Android (android.graphics.Color)	4286624859 (0xFF80B45B)
YUV	154.3060, -31.2099, -23.0704
Hunter-Lab	61.6336, -29.3393, 27.9435

Details

The XYZ color **27.1117, 37.9870, 15.8008** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.3085, 16.6182, 45.1612**, and the grayscale version is **30.9842, 32.5978, 35.4990**.

A 20% lighter version of the original color is **54.4818, 72.0414, 37.0205**, and **10.8913, 16.8347, 4.7732** is the 20% darker color. If you saturate the color by 10%, you get **24.9259, 36.9406, 12.1202**, and if you desaturate by 10%, it is **29.6497, 39.1958, 20.4716**.

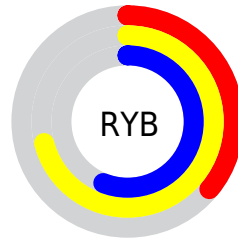
Distribution



Red (50%)

Green (71%)

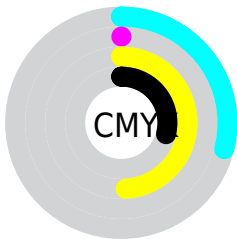
Blue (36%)



Red (36%)

Yellow (71%)

Blue (56%)

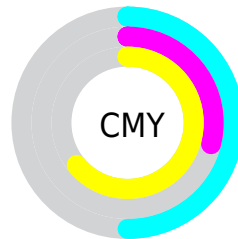


Cyan (29%)

Magenta (0%)

Yellow (49%)

Black (29%)



Cyan (50%)


Magenta (29%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.1117, 37.9870, 15.8008 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 27.1117, 37.9870, 15.8008 by changing the saturation by 10% instead.


 27.1117, 37.9870,
15.8008


 27.1117, 37.9870,
15.8008


280.3552,
337.5642, 239.9688


 17.7942, 25.9726,
9.2305


 54.4817, 72.0882,
37.0140

 10.9011, 16.8031,
4.7930


 73.2648, 94.9438,
52.4940

 6.0672, 10.0942,
2.0697


 95.9339, 122.1819,
71.7809

 2.9270, 5.4615,
0.5976

 122.8542,
154.1870, 95.2933

 1.1153, 2.5205,
0.0000

154.3911,
191.3433, 123.4498

 0.0378, 0.8869,
0.0000

190.9101,

 0.0000, 0.0000,

234.0354, 156.6688

0.0000

232.7763,
282.6475, 195.3690

■ 27.1117, 37.9870,
15.8008

■ 27.1117, 37.9870,
15.8008

■ 24.9259, 36.9406,
12.1202

■ 29.6497, 39.1958,
20.4716

■ 23.0709, 36.0435,
9.3558

■ 32.5539, 40.5693,
26.1946

■ 21.5271, 35.2888,
7.4272


■ 35.8412, 42.1161,
33.0297


■ 20.2709, 34.6662,
6.2390


■ 39.5261, 43.8425,
41.0314


■ 19.2616, 34.1588,
5.6068


■ 43.6226, 45.7545,
50.2507

 19.2103, 34.1330,
5.5758

 48.1439, 47.8579,
60.7357

 53.1024, 50.1581,
72.5318

 58.5102, 52.6605,
85.6820

 64.3789, 55.3700,
100.2277

Harmonies

Analogous

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



33.5685, 37.9870, 11.2812



27.1117, 37.9870, 15.8008



23.4691, 37.9870, 27.8234

Triad

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



27.1117, 37.9870, 15.8008



31.0030, 37.9870, 98.2743



53.5756, 37.9870, 34.3561

Complementary

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



27.1117, 37.9870, 15.8008



23.3085, 16.6182, 45.1612

Split Complementary

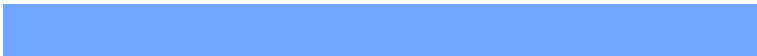
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.6175, 37.9870, 58.7027



27.1117, 37.9870, 15.8008



38.7672, 37.9870, 102.1008

Square

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



27.1117, 37.9870, 15.8008



25.4737, 37.9870, 76.5350



46.8962, 37.9870, 85.6085



49.3472, 37.9870, 19.0534

Rectangle

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



27.1117, 37.9870, 15.8008



22.7555, 37.9870, 41.1182



46.8962, 37.9870, 85.6085



53.8622, 37.9870, 41.6056

Sweetspot

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



27.1126, 37.9886, 15.8016



67.6933, 77.6324, 65.6995



30.5221, 30.0800, 14.0954



14.3376, 16.6416, 13.5678



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.1126, 37.9886, 15.8016



44.9880, 66.8789, 21.6491



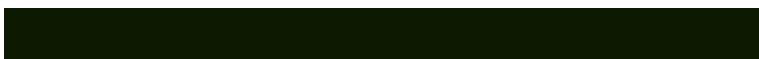
22.8611, 35.7581, 17.3564



8.7125, 9.6569, 9.0573



13.4798, 23.8592, 3.8948



0.4912, 0.7853, 0.1257

Inverse Universe

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



23.3085, 16.6182, 45.1612



37.2828, 23.7290, 80.9097



30.0675, 20.1875, 41.6378



8.5017, 8.4672, 10.6926



9.9078, 4.4435, 30.4725



0.3763, 0.1731, 0.9618

Previews

White Background



This preview shows how the XYZ color 27.1117, 37.9870, 15.8008 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 27.1117, 37.9870, 15.8008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

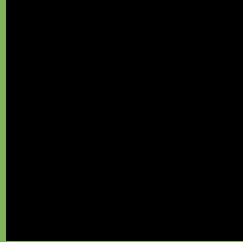
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.1117, 37.9870, 15.8008

Background



This preview shows how black text looks on a background with the XYZ color 27.1117, 37.9870, 15.8008.



This preview shows how white text looks on a background with the XYZ color 27.1117, 37.9870,

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

27.1117, 37.9870, 15.8008

Protanopia

34.4263, 37.5272, 14.2331

Deuteranopia

38.4719, 37.7343, 16.5650



Tritanopia

34.0773, 37.9191, 50.3228

Trichromacy



Original Color

27.1117, 37.9870, 15.8008

Protanomaly

31.0365, 37.1354, 14.7646

Deuteranomaly

33.1573, 37.0973, 16.2394

Tritanomaly

30.9576, 37.7925, 34.5172

Monochromacy



Original Color

27.1117, 37.9870, 15.8008

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

28.8710, 33.8528, 26.4853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1117, 37.9870, 15.8008 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(128, 180, 91)` looks like.

```
.text, #text, p{  
    color:rgb(128, 180, 91)  
}
```

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(128, 180, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 180, 91) }
```

Border

The CSS property to change the border of an element to XYZ 27.1117, 37.9870, 15.8008 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(128, 180, 91) }
```


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

```
.border{ border-color:rgb(128, 180, 91) }
```

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

Here you see how a box with a 4 pixel rgb(128, 180, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 180, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 180, 91);  
box-shadow:4px 4px 4px 4px rgb(128, 180,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1117, 37.9870, 15.8008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 180, 91) }
```

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

```
.background{ background-color: rgb(128,  
180, 91) }
```

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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