

Converting Colors

XYZ(27.1909, 39.1440, 12.4802)

Have a look what the booklet for
XYZ(27.1909, 39.1440, 12.4802)
contains.

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Color

**XYZ(27.0382, 38.9372,
12.3939)**

Conversions

Conversions Part 1

Format	Color
Hex	80B749
RGB	128, 183, 73
RGB Percent	50%, 72%, 29%
CMY	0.4980, 0.2823, 0.7137
CMYK	0.30, 0.00, 0.60, 0.28
HSL	90°, 43%, 50%
HSV	90°, 60%, 72%
XYZ	27.0382, 38.9372, 12.3939
YIQ	154.0150, 2.5300, -45.8700

Conversions

Conversions Part 2

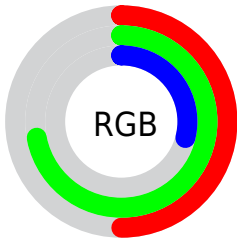
Format	Color
RYB	73, 183, 128
Decimal	8435529
CIELab	68.71, -36.27, 49.12
CIElCh	69, 61.059, 126.445
Yxy	38.9372, 0.3450, 0.4968
Android (android.graphics.Color)	4286625609 (0xFF80B749)
YUV	154.0150, -39.9404, -22.8152
Hunter-Lab	62.3997, -31.8542, 31.9035

Details

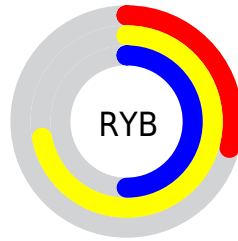
The XYZ color **27.0382, 38.9372, 12.3939** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **19.8336, 12.7743, 46.2223**, and the grayscale version is **30.8918, 32.5005, 35.3931**.

A 20% lighter version of the original color is **54.3353, 73.4040, 30.7067**, and **10.9078, 17.4616, 3.3258** is the 20% darker color. If you saturate the color by 10%, you get **25.2039, 38.0529, 9.5938**, and if you desaturate by 10%, it is **29.1771, 39.9603, 16.1417**.

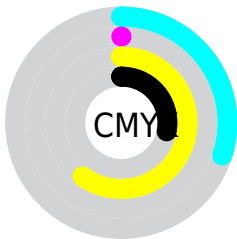
Distribution



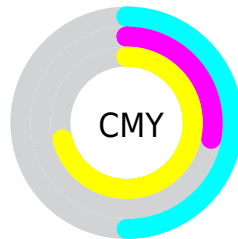
- Red (50%)
- Green (72%)
- Blue (29%)



- Red (29%)
- Yellow (72%)
- Blue (50%)



- Cyan (30%)
- Magenta (0%)
- Yellow (60%)
- Black (28%)





- Cyan (50%)
- Magenta (28%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0382, 38.9372, 12.3939 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 27.0382, 38.9372, 12.3939 by changing the saturation by 10% instead.


 27.0382, 38.9372,
12.3939


 27.0382, 38.9372,
12.3939


280.0062,
341.6234, 218.0655


 17.7387, 26.7109,
6.8868


 54.3646, 73.5424,
30.8856

 10.8611, 17.3562,
3.3140


 73.1222, 96.6900,
44.7072


 6.0401, 10.4888,
1.2571


 95.7632, 124.2469,
62.1373

 2.9104, 5.7242,
0.0263

 122.6529,
156.5974, 83.5946

 1.1065, 2.6781,
0.0000

 154.1567,
194.1259, 109.4975

 0.0306, 0.9661,
0.0000

190.6399,

 0.0000, 0.0000,

237.2168, 140.2646

0.0000

232.4680,
286.2545, 176.3144

■ 27.0382, 38.9372,
12.3939

■ 27.0382, 38.9372,
12.3939

■ 25.2039, 38.0529,
9.5938

■ 29.1771, 39.9603,
16.1417

■ 23.6519, 37.2942,
7.6534

■ 31.6350, 41.1245,
20.9095

■ 22.3607, 36.6533,
6.4729

■ 34.4289, 42.4380,
26.7659

■ 21.2978, 36.1181,
5.8490

■ 37.5732, 43.9072,
33.7724

■ 41.0817, 45.5377,
41.9861

■ 44.9671, 47.3350,
51.4603

■ 49.2417, 49.3044,
62.2451

■ 53.9170, 51.4506,
74.3879

■ 59.0040, 53.7785,
87.9337

Harmonies

Analogous

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



34.9633, 38.9372, 8.4686



27.0382, 38.9372, 12.3939



22.4643, 38.9372, 24.4985

Triad

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



27.0382, 38.9372, 12.3939



30.0735, 38.9372, 112.2082



58.6943, 38.9372, 36.7027

Complementary

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



27.0382, 38.9372, 12.3939



19.8336, 12.7743, 46.2223

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.



56.7713, 38.9372, 67.3943



27.0382, 38.9372, 12.3939



39.1322, 38.9372, 120.2263

Square

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



27.0382, 38.9372, 12.3939



23.9919, 38.9372, 82.4799



49.1706, 38.9372, 101.1702



54.0440, 38.9372, 18.0031

Rectangle

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



27.0382, 38.9372, 12.3939



21.3982, 38.9372, 39.1837



49.1706, 38.9372, 101.1702



58.8053, 38.9372, 45.7792

Sweetspot

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



27.0391, 38.9389, 12.3947



68.3787, 79.1404, 62.9837



28.4517, 25.9881, 9.8205



14.7190, 17.3009, 13.0321



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.0391, 38.9389, 12.3947



44.2289, 67.7067, 15.9542



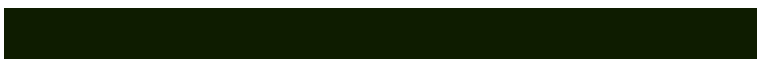
20.8849, 35.7663, 12.1067



9.3066, 10.2747, 9.5996



14.9362, 25.2362, 4.0839



0.5979, 0.9264, 0.1473

Inverse Universe

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



19.8336, 12.7743, 46.2223



30.1878, 16.7211, 81.8721



30.4598, 18.2523, 46.7196



8.9374, 8.9341, 11.3328



9.0866, 3.9955, 31.5454



0.3917, 0.1776, 1.1154

Previews

White Background



This preview shows how the XYZ color 27.0382, 38.9372, 12.3939 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 27.0382, 38.9372, 12.3939 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 27.0382, 38.9372, 12.3939

Background



This preview shows how black text looks on a background with the XYZ color 27.0382, 38.9372, 12.3939.



This preview shows how white text looks on a background with the XYZ color 27.0382, 38.9372,

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

27.0382, 38.9372, 12.3939

Protanopia

35.1118, 38.4939, 11.0483

Deuteranopia

39.2997, 38.4973, 12.9488



Tritanopia

35.0111, 38.9371, 51.5693

Trichromacy



Original Color

27.0382, 38.9372, 12.3939

Protanomaly

31.5661, 38.3287, 11.5288

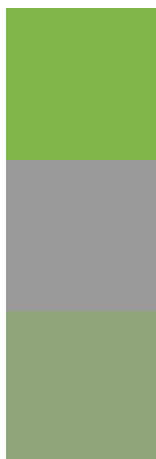
Deuteranomaly

33.7023, 38.0061, 12.5808

Tritanomaly

31.0406, 38.4676, 32.1745

Monochromacy



Original Color

27.0382, 38.9372, 12.3939

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

28.8339, 34.4107, 24.5243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0382, 38.9372, 12.3939 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, 183, 73)` looks like.

```
.text, #text, p{  
    color:rgb(128, 183, 73)  
}
```

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, 183, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 183, 73) }
```

Border

The CSS property to change the border of an element to XYZ 27.0382, 38.9372, 12.3939 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, 183, 73) }
```


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

```
.border{ border-color:rgb(128, 183, 73) }
```

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

Here you see how a box with a 4 pixel rgb(128, 183, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 183, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 183, 73);  
box-shadow:4px 4px 4px 4px rgb(128, 183,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0382, 38.9372, 12.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 183, 73) }
```

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

```
.background{ background-color: rgb(128,  
183, 73) }
```

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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