

Converting Colors

XYZ(23.3981, 38.9294, 12.9375)

Have a look what the booklet for
XYZ(23.3981, 38.9294, 12.9375)
contains.

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Color

**XYZ(23.3981, 38.9294,
12.9375)**

Conversions

Conversions Part 1

Format	Color
Hex	57BD4B
RGB	87, 189, 75
RGB Percent	34%, 74%, 29%
CMY	0.6588, 0.2588, 0.7059
CMYK	0.54, 0.00, 0.60, 0.26
HSL	114°, 46%, 52%
HSV	114°, 60%, 74%
XYZ	23.3981, 38.9294, 12.9375
YIQ	145.5060, -24.1980, -57.0780

Conversions

Conversions Part 2

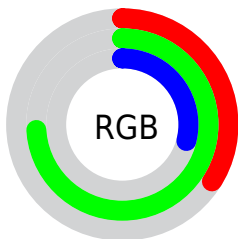
Format	Color
RYB	75, 189, 177
Decimal	5750091
CIELab	68.70, -51.72, 47.71
CIELCh	69, 70.366, 137.310
Yxy	38.9294, 0.3109, 0.5172
Android (android.graphics.Color)	4283940171 (0xFF57BD4B)
YUV	145.5060, -34.7595, -51.3098
Hunter-Lab	62.3934, -42.2494, 31.3814

Details

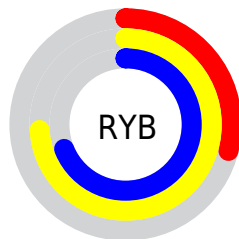
The XYZ color **23.3981, 38.9294, 12.9375** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.8347, 18.0546, 50.0586**, and the grayscale version is **27.2650, 28.6849, 31.2379**.

A 20% lighter version of the original color is **48.4636, 73.4636, 31.7043**, and **8.9713, 17.4718, 3.5614** is the 20% darker color. If you saturate the color by 10%, you get **21.4470, 37.9887, 9.9568**, and if you desaturate by 10%, it is **25.9131, 40.1409, 16.9492**.

Distribution



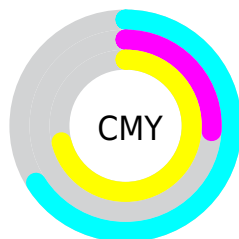
- Red (34%)
- Green (74%)
- Blue (29%)



- Red (29%)
- Yellow (74%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (60%)
- Black (26%)





- Cyan (66%)
- Magenta (26%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3981, 38.9294, 12.9375 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 23.3981, 38.9294, 12.9375 by changing the saturation by 10% instead.


 23.3981, 38.9294,
12.9375


 23.3981, 38.9294,
12.9375


262.2605,
341.5902, 221.7105


 15.0100, 26.7048,
7.2553


 48.5080, 73.5305,
31.8810

 8.9128, 17.3516,
3.5414


 65.9606, 96.6757,
45.9794


 4.7410, 10.4855,
1.3773


 87.1655, 124.2300,
63.7202

 2.1293, 5.7220,
0.1239

 112.4879,
156.5776, 85.5221

 0.7051, 2.6768,
0.0000

 142.2932,
194.1031, 111.8035

 0.0000, 0.9654,
0.0000

176.9469,

 0.0000, 0.0000,

237.1908, 142.9830

0.0000

216.8142,
286.2250, 179.4791

■ 23.3981, 38.9294,
12.9375

■ 23.3981, 38.9294,
12.9375

■ 21.4470, 37.9887,
9.9568

■ 25.9131, 40.1409,
16.9492

■ 20.0131, 37.2933,
7.9105

■ 29.0284, 41.6368,
22.0717

■ 19.0469, 36.8213,
6.6887

■ 32.7804, 43.4352,
28.3800

■ 18.4846, 36.5443,
6.0795

■ 37.2019, 45.5518,
35.9417

■ 42.3235, 48.0009,
44.8196

■ 48.1738, 50.7960,
55.0719

■ 54.7799, 53.9498,
66.7537

■ 62.1674, 57.4746,
79.9169

■ 70.3608, 61.3817,
94.6108

Harmonies

Analogous

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



30.9935, 38.9294, 6.6737



23.3981, 38.9294, 12.9375



19.8078, 38.9294, 30.3018

Triad

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



23.3981, 38.9294, 12.9375



32.4975, 38.9294, 134.6657



61.4160, 38.9294, 26.6452

Complementary

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



23.3981, 38.9294, 12.9375



29.8347, 18.0546, 50.0586

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.



62.0438, 38.9294, 57.3227



23.3981, 38.9294, 12.9375



43.7391, 38.9294, 131.9218

Square

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



23.3981, 38.9294, 12.9375



24.3081, 38.9294, 105.2591



55.0601, 38.9294, 98.9835



53.4858, 38.9294, 11.4179

Rectangle

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



23.3981, 38.9294, 12.9375



19.5787, 38.9294, 50.6714



55.0601, 38.9294, 98.9835



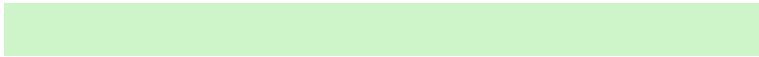
62.5373, 38.9294, 35.0595

Sweetspot

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



23.3990, 38.9310, 12.9384



68.3835, 82.4208, 67.4003



37.7245, 42.2618, 12.8262



14.1659, 17.4661, 13.5640



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.3990, 38.9310, 12.9384



37.5913, 67.6386, 16.6306



24.4122, 39.2175, 23.6426



9.4995, 10.6964, 10.1406



12.4687, 24.6037, 4.0918



0.5199, 0.9800, 0.1618

Inverse Universe

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



29.8347, 18.0546, 50.0586



49.9936, 26.9899, 88.8008



28.6377, 17.9056, 28.8576



9.8284, 9.6439, 12.0157



17.2432, 8.1753, 33.0621



0.7042, 0.3351, 1.2964

Previews

White Background



This preview shows how the XYZ color 23.3981, 38.9294, 12.9375 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 23.3981, 38.9294, 12.9375 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 23.3981, 38.9294, 12.9375

Background



This preview shows how black text looks on a background with the XYZ color 23.3981, 38.9294, 12.9375.



This preview shows how white text looks on a background with the XYZ color 23.3981, 38.9294,

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

23.3981, 38.9294, 12.9375

Protanopia

34.8697, 38.3691, 11.0370

Deuteranopia

39.1752, 38.4155, 13.7377



Tritanopia

31.8082, 38.6506, 55.0741

Trichromacy



Original Color

23.3981, 38.9294, 12.9375



Protanomaly

28.8617, 37.5044, 11.6791



Deuteranomaly

30.7602, 37.0249, 13.3099



Tritanomaly

27.5422, 38.1012, 34.3364

Monochromacy



Original Color

23.3981, 38.9294, 12.9375



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.7679, 31.5567, 22.5549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3981, 38.9294, 12.9375 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(87, 189, 75)` looks like.

```
.text, #text, p{  
    color:rgb(87, 189, 75)  
}
```

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(87, 189, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 189, 75) }
```

Border

The CSS property to change the border of an element to XYZ 23.3981, 38.9294, 12.9375 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(87, 189, 75) }
```


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

```
.border{ border-color:rgb(87, 189, 75) }
```

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

Here you see how a box with a 4 pixel rgb(87, 189, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 189, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 189, 75);  
box-shadow:4px 4px 4px 4px rgb(87, 189,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3981, 38.9294, 12.9375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 189, 75) }
```

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

```
.background{ background-color: rgb(87, 189,  
75) }
```

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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