

Converting Colors

XYZ(23.5826, 38.6599, 15.1501)

Have a look what the booklet for
XYZ(23.5826, 38.6599, 15.1501)
contains.

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Color

**XYZ(23.6340, 38.6808,
15.2373)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 57BC57 |
| RGB | 87, 188, 87 |
| RGB Percent | 34%, 74%, 34% |
| CMY | 0.6588, 0.2627, 0.6588 |
| CMYK | 0.54, 0.00, 0.54, 0.26 |
| HSL | 120°, 43%, 54% |
| HSV | 120°, 54%, 74% |
| XYZ | 23.6340, 38.6808, 15.2373 |
| YIQ | 146.2870, -27.7750, -52.8230 |

Conversions

Conversions Part 2

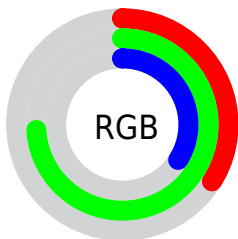
| Format | Color |
|-------------------------------------|--|
| RYB | 87, 188, 188 |
| Decimal | 5749847 |
| CIELab | 68.52, -49.89, 41.89 |
| CIELCh | 69, 65.145, 139.985 |
| Yxy | 38.6808, 0.3047, 0.4988 |
| Android (android.graphics.Color) | 4283939927 (0xFF57BC57) |
| YUV | 146.2870, -29.2285, -51.9947 |
| Hunter-Lab | 62.1939, -41.0084, 29.0099 |

Details

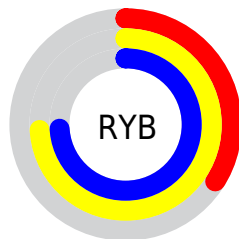
The XYZ color **23.6340, 38.6808, 15.2373** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **33.2255, 21.1392, 49.9070**, and the grayscale version is **27.5647, 29.0002, 31.5812**.

A 20% lighter version of the original color is **48.8142, 73.0982, 35.9627**, and **9.0747, 17.2967, 4.5294** is the 20% darker color. If you saturate the color by 10%, you get **21.4315, 37.6240, 11.6339**, and if you desaturate by 10%, it is **26.4955, 40.0565, 19.9171**.

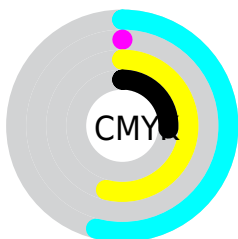
Distribution



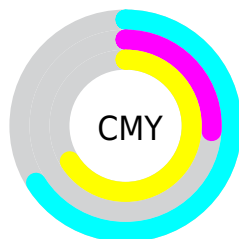
- Red (34%)
- Green (74%)
- Blue (34%)



- Red (34%)
- Yellow (74%)
- Blue (74%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6340, 38.6808, 15.2373 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 23.6340, 38.6808, 15.2373 by changing the saturation by 10% instead.


 23.6340, 38.6808,
15.2373


 23.6340, 38.6808,
15.2373


263.4398,
340.5315, 236.4881


 15.1856, 26.5115,
8.8376


 48.8913, 73.1504,
36.0171


 9.0369, 17.2067,
4.5401


 66.4309, 96.2196,
51.2343

 4.8226, 10.3820,
1.9261


 87.7317, 123.6908,
70.2278

 2.1772, 5.6529,
0.5092

 113.1589,
155.9484, 93.4161

 0.7307, 2.6352,
0.0000

143.0780,
193.3769, 121.2177

 0.0000, 0.9444,
0.0000

177.8543,

 0.0000, 0.0000,

236.3607, 154.0513

0.0000

217.8531,
285.2840, 192.3352

■ 23.6340, 38.6808,
15.2373

■ 23.6340, 38.6808,
15.2373

■ 21.4315, 37.6240,
11.6339

■ 26.4955, 40.0565,
19.9171

■ 19.8329, 36.8561,
9.0191

■ 30.0597, 41.7686,
25.7470

■ 18.7792, 36.3500,
7.2955

■ 34.3699, 43.8389,
32.7971

■ 18.1980, 36.0708,
6.3448

■ 39.4650, 46.2864,
41.1311

■ 17.9840, 35.9680,
5.9948

■ 45.3814, 49.1283,
50.8083

■ 52.1530, 52.3811,
61.8845

■ 59.8121, 56.0601,
74.4121

■ 68.3889, 60.1800,
88.4409

■ 77.2740, 64.4480,
102.9747

Harmonies

Analogous

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



30.4278, 38.6808, 8.2121



23.6340, 38.6808, 15.2373



20.5621, 38.6808, 33.0376

Triad

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



23.6340, 38.6808, 15.2373



33.4406, 38.6808, 125.8218



58.5894, 38.6808, 25.6113

Complementary

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



23.6340, 38.6808, 15.2373



33.2255, 21.1392, 49.9070

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.



59.8081, 38.6808, 52.7234



23.6340, 38.6808, 15.2373



43.9260, 38.6808, 120.6250

Square

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



23.6340, 38.6808, 15.2373



25.4856, 38.6808, 101.8789



54.0333, 38.6808, 89.8759



50.9605, 38.6808, 11.9778

Rectangle

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



23.6340, 38.6808, 15.2373



20.5608, 38.6808, 52.6894



54.0333, 38.6808, 89.8759



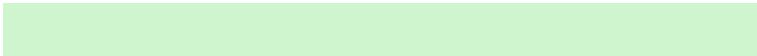
59.8106, 38.6808, 33.0625

Sweetspot

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



23.6349, 38.6824, 15.2382



69.0395, 82.6915, 70.4812



40.4443, 47.3479, 16.0244



14.4291, 17.5819, 14.4738



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.



23.6349, 38.6824, 15.2382



38.3955, 67.9716, 20.3572



26.4660, 39.8148, 30.1463



9.4088, 10.6496, 10.1364



12.2439, 24.4879, 4.0814



0.4796, 0.9592, 0.1599

Inverse Universe

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



33.2255, 21.1392, 49.9070



57.5371, 32.9572, 89.5525



28.6997, 19.3289, 26.0744



9.9300, 9.6963, 12.0204



20.3001, 9.7512, 33.2037



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 23.6340, 38.6808, 15.2373 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 23.6340, 38.6808, 15.2373 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 23.6340, 38.6808, 15.2373

Background



This preview shows how black text looks on a background with the XYZ color 23.6340, 38.6808, 15.2373.



This preview shows how white text looks on a background with the XYZ color 23.6340, 38.6808,

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

23.6340, 38.6808, 15.2373

Protanopia

34.8514, 38.0420, 13.0954

Deuteranopia

38.6495, 37.8365, 16.0926



Tritanopia

31.5565, 38.5209, 55.0623

Trichromacy



Original Color

23.6340, 38.6808, 15.2373



Protanomaly

29.0918, 37.2862, 13.8473



Deuteranomaly

30.6169, 36.6222, 15.5803



Tritanomaly

27.7531, 38.1724, 36.0423

Monochromacy



Original Color

23.6340, 38.6808, 15.2373



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.9040, 31.3304, 24.1368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6340, 38.6808, 15.2373 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, 188, 87)` looks like.

```
.text, #text, p{  
    color:rgb(87, 188, 87)  
}
```

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, 188, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 188, 87) }
```

Border

The CSS property to change the border of an element to XYZ 23.6340, 38.6808, 15.2373 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, 188, 87) }
```


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

```
.border{ border-color:rgb(87, 188, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 188, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 188, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 188, 87);  
box-shadow:4px 4px 4px 4px rgb(87, 188,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6340, 38.6808, 15.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 188, 87) }
```

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

```
.background{ background-color: rgb(87, 188,  
87) }
```

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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