

Converting Colors

XYZ(23.4960, 38.3293, 13.5571)

Have a look what the booklet for
XYZ(23.4960, 38.3293, 13.5571)
contains.

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Color

**XYZ(23.4960, 38.3293,
13.5571)**

Conversions

Conversions Part 1

Format	Color
Hex	5BBB4F
RGB	91, 187, 79
RGB Percent	36%, 73%, 31%
CMY	0.6431, 0.2667, 0.6902
CMYK	0.51, 0.00, 0.58, 0.27
HSL	113°, 44%, 52%
HSV	113°, 58%, 73%
XYZ	23.4960, 38.3293, 13.5571
YIQ	145.9840, -22.5480, -53.9400

Conversions

Conversions Part 2

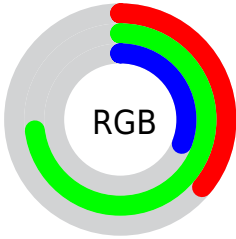
Format	Color
RYB	79, 187, 175
Decimal	6011727
CIELab	68.26, -49.40, 45.41
CIELCh	68, 67.100, 137.409
Yxy	38.3293, 0.3117, 0.5085
Android (android.graphics.Color)	4284201807 (0xFF5BBB4F)
YUV	145.9840, -33.0231, -48.2210
Hunter-Lab	61.9107, -40.6003, 30.3542

Details

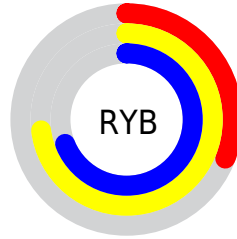
The XYZ color **23.4960, 38.3293, 13.5571** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.4469, 18.2952, 48.9950**, and the grayscale version is **27.4536, 28.8834, 31.4540**.

A 20% lighter version of the original color is **48.6602, 72.6360, 32.9282**, and **9.0000, 17.0693, 3.7976** is the 20% darker color. If you saturate the color by 10%, you get **21.4479, 37.3425, 10.3945**, and if you desaturate by 10%, it is **26.1004, 39.5830, 17.7467**.

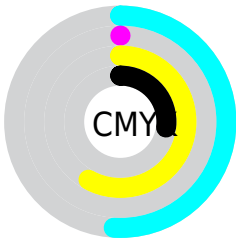
Distribution



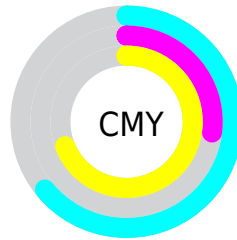
- Red (36%)
- Green (73%)
- Blue (31%)



- Red (31%)
- Yellow (73%)
- Blue (69%)



- Cyan (51%)
- Magenta (0%)
- Yellow (58%)
- Black (27%)





- Cyan (64%)
- Magenta (27%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4960, 38.3293, 13.5571 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 23.4960, 38.3293, 13.5571 by changing the saturation by 10% instead.


 23.4960, 38.3293,
13.5571


 23.4960, 38.3293,
13.5571


262.7504,
339.0305, 225.7896


 15.0829, 26.2384,
7.6781


 48.6672, 72.6126,
33.0068


 8.9643, 17.0021,
3.8048


 66.1559, 95.5737,
47.4146


 4.7748, 10.2360,
1.5189


 87.4006, 122.9271,
65.5023

 2.1491, 5.5557,
0.2319

 112.7666,
155.0570, 87.6886

 0.7157, 2.5768,
0.0000

 142.6192,
192.3479, 114.3919

 0.0000, 0.9150,
0.0000

177.3238,

 0.0000, 0.0000,

235.1842, 146.0308

0.0000

217.2458,
283.9503, 183.0239

■ 23.4960, 38.3293,
13.5571

■ 23.4960, 38.3293,
13.5571

■ 21.4479, 37.3425,
10.3945

■ 26.1004, 39.5830,
17.7467

■ 19.9126, 36.5987,
8.1681

■ 29.2949, 41.1160,
23.0387

■ 18.8445, 36.0778,
6.7760

■ 33.1140, 42.9457,
29.5043

■ 18.1830, 35.7519,
6.0631

■ 37.5885, 45.0865,
37.2081

■ 18.0756, 35.6991,
5.9379

■ 42.7474, 47.5521,
46.2100

■ 48.6179, 50.3553,
56.5660

■ 55.2255, 53.5082,
68.3287

■ 62.5948, 57.0222,
81.5481

■ 70.7488, 60.9083,
96.2715

Harmonies

Analogous

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



30.7176, 38.3293, 7.3013



23.4960, 38.3293, 13.5571



20.0645, 38.3293, 30.3548

Triad

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



23.4960, 38.3293, 13.5571



32.2041, 38.3293, 127.4318



59.2934, 38.3293, 26.7136

Complementary

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



23.4960, 38.3293, 13.5571



29.4469, 18.2952, 48.9950

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.



59.9033, 38.3293, 55.6518



23.4960, 38.3293, 13.5571



42.8119, 38.3293, 124.8022

Square

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



23.4960, 38.3293, 13.5571



24.4033, 38.3293, 100.4228



53.4093, 38.3293, 94.3764



51.8754, 38.3293, 11.9969

Rectangle

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



23.4960, 38.3293, 13.5571



19.8522, 38.3293, 49.6436



53.4093, 38.3293, 94.3764



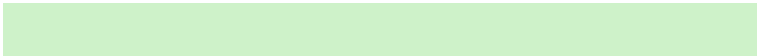
60.3461, 38.3293, 34.7127

Sweetspot

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



23.4969, 38.3309, 13.5580



67.7315, 80.9441, 67.3539



37.1199, 41.5581, 13.4628



14.5361, 17.6438, 14.1749



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.



23.4969, 38.3309, 13.5580



37.6818, 66.5246, 17.5286



24.4105, 38.5705, 24.0562



9.5046, 10.6990, 10.1408



12.4853, 24.6123, 4.0926



0.5222, 0.9811, 0.1619

Inverse Universe

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



29.4469, 18.2952, 48.9950



49.2292, 27.2677, 86.8699



28.4481, 18.2207, 29.0503



9.8228, 9.6410, 12.0154



17.0862, 8.0943, 33.0547



0.6994, 0.3326, 1.2962

Previews

White Background



This preview shows how the XYZ color 23.4960, 38.3293, 13.5571 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 23.4960, 38.3293, 13.5571 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 23.4960, 38.3293, 13.5571

Background



This preview shows how black text looks on a background with the XYZ color 23.4960, 38.3293, 13.5571.



This preview shows how white text looks on a background with the XYZ color 23.4960, 38.3293,

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

23.4960, 38.3293, 13.5571

Protanopia

34.5731, 37.9307, 11.6300

Deuteranopia

38.5758, 37.8383, 14.2872



Tritanopia

31.7590, 38.3458, 54.4428

Trichromacy



Original Color

23.4960, 38.3293, 13.5571



Protanomaly

28.9837, 37.2641, 12.3217



Deuteranomaly

30.6885, 36.6974, 13.8534



Tritanomaly

27.7701, 37.9087, 34.7076

Monochromacy



Original Color

23.4960, 38.3293, 13.5571



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.8619, 31.3305, 23.1494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4960, 38.3293, 13.5571 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(91, 187, 79)` looks like.

```
.text, #text, p{  
    color:rgb(91, 187, 79)  
}
```

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(91, 187, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 187, 79) }
```

Border

The CSS property to change the border of an element to XYZ 23.4960, 38.3293, 13.5571 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(91, 187, 79) }
```


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

```
.border{ border-color:rgb(91, 187, 79) }
```

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

Here you see how a box with a 4 pixel rgb(91, 187, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 187, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 187, 79);  
box-shadow:4px 4px 4px 4px rgb(91, 187,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4960, 38.3293, 13.5571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 187, 79) }
```

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

```
.background{ background-color: rgb(91, 187,  
79) }
```

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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