

Converting Colors

XYZ(23.7992, 43.5238, 10.5244)

Have a look what the booklet for
XYZ(23.7992, 43.5238, 10.5244)
contains.

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Color

**XYZ(23.8130, 43.5549,
10.5200)**

Conversions

Conversions Part 1

Format	Color
Hex	3FCA35
RGB	63, 202, 53
RGB Percent	25%, 79%, 21%
CMY	0.7529, 0.2078, 0.7921
CMYK	0.69, 0.00, 0.74, 0.21
HSL	116°, 58%, 50%
HSV	116°, 74%, 79%
XYZ	23.8130, 43.5549, 10.5200
YIQ	143.4530, -35.0150, -75.8070

Conversions

Conversions Part 2

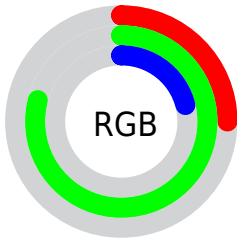
Format	Color
RYB	53, 202, 192
Decimal	4180533
CIELab	71.93, -63.80, 59.83
CIElCh	72, 87.466, 136.840
Yxy	43.5549, 0.3057, 0.5592
Android (android.graphics.Color)	4282370613 (0xFF3FCA35)
YUV	143.4530, -44.5933, -70.5573
Hunter-Lab	65.9961, -51.0861, 36.7463

Details

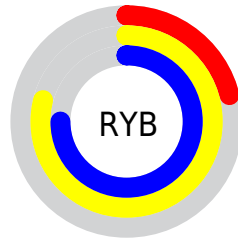
The XYZ color **23.8130, 43.5549, 10.5200** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **33.6753, 18.0189, 57.5827**, and the grayscale version is **26.4738, 27.8525, 30.3313**.

A 20% lighter version of the original color is **47.5736, 77.2913, 26.8793**, and **10.2789, 20.5578, 3.4263** is the 20% darker color. If you saturate the color by 10%, you get **22.4386, 42.8905, 8.5206**, and if you desaturate by 10%, it is **25.7971, 44.5136, 13.5715**.

Distribution



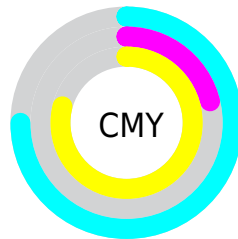
- Red (25%)
- Green (79%)
- Blue (21%)



- Red (21%)
- Yellow (79%)
- Blue (75%)



- Cyan (69%)
- Magenta (0%)
- Yellow (74%)
- Black (21%)





- Cyan (75%)
- Magenta (21%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8130, 43.5549, 10.5200 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 23.8130, 43.5549, 10.5200 by changing the saturation by 10% instead.


 23.8130, 43.5549,
10.5200


 23.8130, 43.5549,
10.5200


264.3318,
360.8888, 204.9620


 15.3189, 30.3207,
5.6350


 49.1818, 80.5476,
27.3920


 9.1313, 20.0822,
2.5593


 66.7872, 105.0748,
40.2161


 4.8847, 12.4548,
0.8713


 88.1605, 134.1353,
56.5237

 2.2138, 7.0542,
0.0000

 113.6669,
168.1133, 76.7332

 0.7500, 3.4960,
0.0000

 143.6719,
207.3933, 101.2633

 0.0000, 1.3958,
0.0000

 178.5408,

 0.0000, 0.2137,

252.3596, 130.5324

0.0000

218.6390,
303.3966, 164.9591

■ 0.0000, 0.0000,
0.0000

■ 23.8130, 43.5549,
10.5200

■ 23.8130, 43.5549,
10.5200

■ 22.4386, 42.8905,
8.5206

■ 25.7971, 44.5136,
13.5715

■ 21.6001, 42.4816,
7.4289


■ 28.4475, 45.7893,
17.7894


■ 21.2956, 42.3327,
7.0486


■ 31.8178, 47.4088,
23.2763


■ 35.9555, 49.3946,
30.1228

■ 40.9037, 51.7672,
38.4113

 46.7025, 54.5455,
48.2175

 53.3894, 57.7474,
59.6121

 60.9994, 61.3896,
72.6609

 69.5659, 65.4878,
87.4265

Harmonies

Analogous

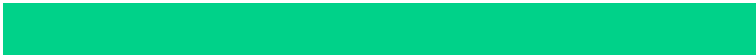
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6373, 43.5549, 4.2584



23.8130, 43.5549, 10.5200



19.2911, 43.5549, 31.0833

Triad

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



23.8130, 43.5549, 10.5200



35.2092, 43.5549, 180.6614



75.3347, 43.5549, 27.3977

Complementary

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



23.8130, 43.5549, 10.5200



33.6753, 18.0189, 57.5827

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.



76.0469, 43.5549, 68.6739



23.8130, 43.5549, 10.5200



50.2681, 43.5549, 177.3541

Square

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



23.8130, 43.5549, 10.5200



24.7245, 43.5549, 136.0317



66.0210, 43.5549, 128.6451



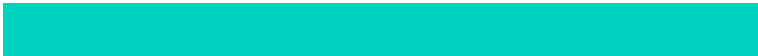
64.2605, 43.5549, 9.2124

Rectangle

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



23.8130, 43.5549, 10.5200



18.9632, 43.5549, 57.8867



66.0210, 43.5549, 128.6451



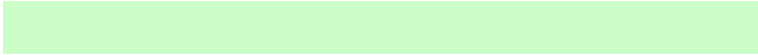
76.8729, 43.5549, 38.3045

Sweetspot

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



23.8140, 43.5567, 10.5210



70.5941, 88.2881, 67.2926



43.3251, 49.4626, 10.6326



14.5747, 18.6407, 13.5021



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.8140, 43.5567, 10.5210



36.9779, 72.1236, 13.0741



25.6895, 44.2398, 23.4314



11.1366, 12.5723, 11.9192



13.7304, 27.2536, 4.5368



0.7332, 1.4188, 0.2352

Inverse Universe

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



33.6753, 18.0189, 57.5827



54.3262, 26.5393, 96.8670



30.3593, 16.9949, 26.4607



11.6104, 11.3640, 14.1519



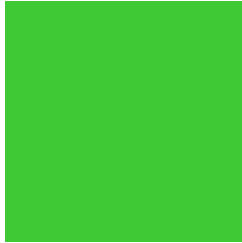
20.3072, 9.6763, 36.7537



1.0705, 0.5110, 1.8971

Previews

White Background



This preview shows how the XYZ color 23.8130, 43.5549, 10.5200 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 23.8130, 43.5549, 10.5200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

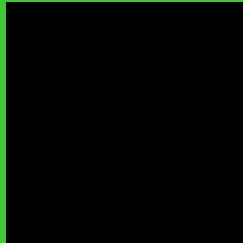
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8130, 43.5549, 10.5200

Background



This preview shows how black text looks on a background with the XYZ color 23.8130, 43.5549, 10.5200.



This preview shows how white text looks on a background with the XYZ color 23.8130, 43.5549,

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

23.8130, 43.5549, 10.5200

Protanopia

38.5881, 42.5930, 8.7722

Deuteranopia

43.5628, 42.5831, 11.2335



Tritanopia

34.2491, 43.0928, 63.6394

Trichromacy



Original Color

23.8130, 43.5549, 10.5200



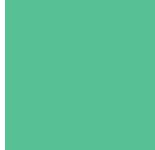
Protanomaly

30.1161, 41.2156, 9.2738



Deuteranomaly

31.8899, 40.2694, 10.6494



Tritanomaly

28.4253, 42.3361, 35.1073

Monochromacy



Original Color

23.8130, 43.5549, 10.5200



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.0294, 31.2541, 19.5707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8130, 43.5549, 10.5200 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(63, 202, 53)` looks like.

```
.text, #text, p{  
    color:rgb(63, 202, 53)  
}
```

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(63, 202, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 202, 53) }
```

Border

The CSS property to change the border of an element to XYZ 23.8130, 43.5549, 10.5200 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(63, 202, 53) }
```


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

```
.border{ border-color:rgb(63, 202, 53) }
```

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

Here you see how a box with a 4 pixel rgb(63, 202, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 202, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 202, 53);  
box-shadow:4px 4px 4px 4px rgb(63, 202,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8130, 43.5549, 10.5200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 202, 53) }
```

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

```
.background{ background-color: rgb(63, 202,  
53) }
```

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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