

Converting Colors

XYZ(24.0252, 44.1147, 11.5806)

Have a look what the booklet for
XYZ(24.0252, 44.1147, 11.5806)
contains.

XYZ(23.9165, 43.9377, 11.4953)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.9165, 43.9377,
11.4953)**

Conversions

Conversions Part 1

Format	Color
Hex	3ACB3C
RGB	58, 203, 60
RGB Percent	23%, 80%, 24%
CMY	0.7725, 0.2039, 0.7647
CMYK	0.71, 0.00, 0.70, 0.20
HSL	121°, 58%, 51%
HSV	121°, 71%, 80%
XYZ	23.9165, 43.9377, 11.4953
YIQ	143.3430, -40.5170, -75.2130

Conversions

Conversions Part 2

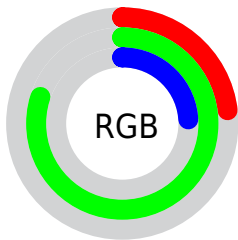
Format	Color
RYB	58, 201, 203
Decimal	3853116
CIELab	72.19, -64.45, 57.52
CIELCh	72, 86.388, 138.253
Yxy	43.9377, 0.3014, 0.5537
Android (android.graphics.Color)	4282043196 (0xFF3ACB3C)
YUV	143.3430, -41.0881, -74.8458
Hunter-Lab	66.2855, -51.5950, 36.1177

Details

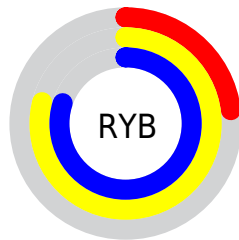
The XYZ color **23.9165, 43.9377, 11.4953** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **36.6852, 19.9402, 57.1731**, and the grayscale version is **26.4176, 27.7934, 30.2670**.

A 20% lighter version of the original color is **47.3120, 77.1178, 28.6113**, and **10.4337, 20.8674, 3.4779** is the 20% darker color. If you saturate the color by 10%, you get **22.5279, 43.2732, 9.1714**, and if you desaturate by 10%, it is **25.9723, 44.9257, 14.8969**.

Distribution



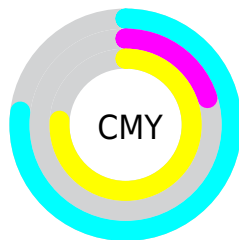
- Red (23%)
- Green (80%)
- Blue (24%)



- Red (23%)
- Yellow (79%)
- Blue (80%)



- Cyan (71%)
- Magenta (0%)
- Yellow (70%)
- Black (20%)



- Cyan (77%)
- Magenta (20%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9165, 43.9377, 11.4953 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 23.9165, 43.9377, 11.4953 by changing the saturation by 10% instead.

■ 23.9165, 43.9377,
11.4953

■ 23.9165, 43.9377,
11.4953

264.8464,
362.4540, 211.8927

■ 15.3961, 30.6215,
6.2827

■ 49.3496, 81.1240,
29.2230

■ 9.1860, 20.3108,
2.9462

■ 66.9929, 105.7629,
42.5752

■ 4.9208, 12.6212,
1.0672

■ 88.4080, 134.9449,
59.4776

■ 2.2351, 7.1682,
0.0000

■ 113.9602,
169.0542, 80.3489

■ 0.7612, 3.5675,
0.0000

■ 144.0147,
208.4754, 105.6075

■ 0.0000, 1.4347,
0.0000

178.9370,

■ 0.0000, 0.2421,

253.5929, 135.6720

0.0000

219.0925,
304.7909, 170.9609

■ 0.0000, 0.0000,
0.0000

■ 23.9165, 43.9377,
11.4953

■ 23.9165, 43.9377,
11.4953

■ 22.5279, 43.2732,
9.1714

■ 25.9723, 44.9257,
14.8969

■ 21.7212, 42.8869,
7.7934


■ 28.7614, 46.2649,
19.4821


■ 21.3722, 42.7198,
7.1999


■ 32.3452, 47.9863,
25.3473


■ 36.7779, 50.1160,
32.5784

■ 42.1090, 52.6778,
41.2538

 48.3842, 55.6937,
51.4459

 55.6459, 59.1841,
63.2223

 63.9342, 63.1683,
76.6464

 73.2868, 67.6645,
91.7784

Harmonies

Analogous

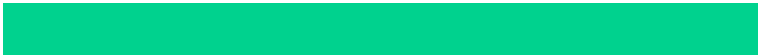
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4631, 43.9377, 4.6695



23.9165, 43.9377, 11.4953



19.6275, 43.9377, 33.0853

Triad

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



23.9165, 43.9377, 11.4953



36.2287, 43.9377, 180.3224



75.0577, 43.9377, 26.5754

Complementary

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



23.9165, 43.9377, 11.4953



36.6852, 19.9402, 57.1731

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.



76.3009, 43.9377, 66.4368



23.9165, 43.9377, 11.4953



51.3295, 43.9377, 174.5832

Square

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



23.9165, 43.9377, 11.4953



25.5271, 43.9377, 138.1148



66.8106, 43.9377, 125.2673



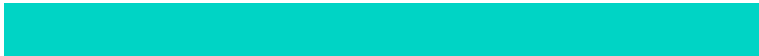
63.7336, 43.9377, 9.1470

Rectangle

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



23.9165, 43.9377, 11.4953



19.4459, 43.9377, 60.5265



66.8106, 43.9377, 125.2673



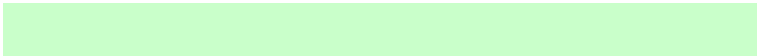
76.7523, 43.9377, 37.0641

Sweetspot

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



23.9175, 43.9395, 11.4963



70.6518, 88.2733, 69.3100



46.7502, 55.7162, 12.2934



14.5530, 18.6205, 13.9093



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.



23.9175, 43.9395, 11.4963



36.8389, 72.0344, 13.8587



27.1649, 45.2385, 28.5964



11.0742, 12.5394, 11.9484



13.6034, 27.1867, 4.5964



0.7040, 1.4034, 0.2490

Inverse Universe

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



36.6852, 19.9402, 57.1731



59.4275, 29.5299, 94.6367



30.2058, 17.3484, 23.0528



11.6806, 11.4010, 14.1187



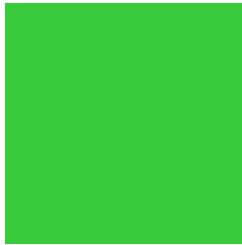
22.3255, 10.7408, 35.7626



1.1539, 0.5550, 1.8565

Previews

White Background



This preview shows how the XYZ color 23.9165, 43.9377, 11.4953 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 23.9165, 43.9377, 11.4953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

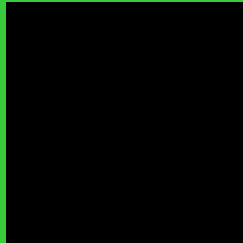
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.9165, 43.9377, 11.4953

Background



This preview shows how black text looks on a background with the XYZ color 23.9165, 43.9377, 11.4953.



This preview shows how white text looks on a background with the XYZ color 23.9165, 43.9377,

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

23.9165, 43.9377, 11.4953

Protanopia

39.1939, 43.1780, 9.6366

Deuteranopia

43.9348, 43.0239, 12.2922



Tritanopia

34.4699, 43.8314, 64.4012

Trichromacy



Original Color

23.9165, 43.9377, 11.4953



Protanomaly

30.1268, 41.5143, 10.1666



Deuteranomaly

31.8619, 40.5335, 11.6133



Tritanomaly

28.7499, 43.1362, 36.5166

Monochromacy



Original Color

23.9165, 43.9377, 11.4953



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.1179, 31.5473, 20.4936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9165, 43.9377, 11.4953 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(58, 203, 60)` looks like.

```
.text, #text, p{  
    color:rgb(58, 203, 60)  
}
```

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(58, 203, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 203, 60) }
```

Border

The CSS property to change the border of an element to XYZ 23.9165, 43.9377, 11.4953 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(58, 203, 60) }
```


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

```
.border{ border-color:rgb(58, 203, 60) }
```

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

Here you see how a box with a 4 pixel rgb(58, 203, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 203, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 203, 60);  
box-shadow:4px 4px 4px 4px rgb(58, 203,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9165, 43.9377, 11.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 203, 60) }
```

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

```
.background{ background-color: rgb(58, 203,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor