

Converting Colors

XYZ(23.5624, 43.5857, 11.7609)

Have a look what the booklet for
XYZ(23.5624, 43.5857, 11.7609)
contains.

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Color

**XYZ(23.6416, 43.7897,
11.7637)**

Conversions

Conversions Part 1

Format	Color
Hex	34CB3E
RGB	52, 203, 62
RGB Percent	20%, 80%, 24%
CMY	0.7961, 0.2039, 0.7568
CMYK	0.74, 0.00, 0.69, 0.20
HSL	124°, 59%, 50%
HSV	124°, 74%, 80%
XYZ	23.6416, 43.7897, 11.7637
YIQ	141.7770, -44.7350, -75.8630

Conversions

Conversions Part 2

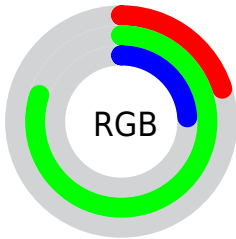
Format	Color
RYB	52, 194, 203
Decimal	3459902
CIELab	72.09, -65.24, 56.62
CIELCh	72, 86.383, 139.046
Yxy	43.7897, 0.2985, 0.5529
Android (android.graphics.Color)	4281649982 (0xFF34CB3E)
YUV	141.7770, -39.3301, -78.7344
Hunter-Lab	66.1738, -52.0323, 35.7817

Details

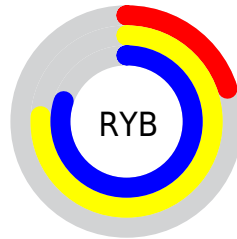
The XYZ color **23.6416, 43.7897, 11.7637** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **35.4831, 19.0033, 52.2494**, and the grayscale version is **25.7872, 27.1301, 29.5447**.

A 20% lighter version of the original color is **46.9969, 76.9419, 29.2039**, and **10.4337, 20.8674, 3.4779** is the 20% darker color. If you saturate the color by 10%, you get **22.3801, 43.1907, 9.4474**, and if you desaturate by 10%, it is **25.5355, 44.6964, 15.0582**.

Distribution



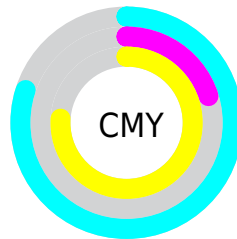
- Red (20%)
- Green (80%)
- Blue (24%)



- Red (20%)
- Yellow (76%)
- Blue (80%)



- Cyan (74%)
- Magenta (0%)
- Yellow (69%)
- Black (20%)



- Cyan (80%)
- Magenta (20%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6416, 43.7897, 11.7637 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 23.6416, 43.7897, 11.7637 by changing the saturation by 10% instead.

■ 23.6416, 43.7897,
11.7637

■ 23.6416, 43.7897,
11.7637

263.4777,
361.8494, 213.7567

■ 15.1913, 30.5052,
6.4624

■ 48.9037, 80.9012,
29.7219

■ 9.0409, 20.2224,
3.0549

■ 66.4461, 105.4970,
43.2159

■ 4.8252, 12.5568,
1.1228

■ 87.7499, 134.6320,
60.2779

■ 2.1788, 7.1241,
0.0000

■ 113.1805,
168.6907, 81.3265

■ 0.7315, 3.5398,
0.0000

■ 143.1033,
208.0574, 106.7801

■ 0.0000, 1.4196,
0.0000

177.8835,

■ 0.0000, 0.2311,

253.1164, 137.0573

0.0000

217.8865,
304.2523, 172.5766

■ 0.0000, 0.0000,
0.0000

■ 23.6416, 43.7897,
11.7637

■ 23.6416, 43.7897,
11.7637

■ 22.3801, 43.1907,
9.4474

■ 25.5355, 44.6964,
15.0582

■ 21.6660, 42.8538,
7.9990

■ 28.1269, 45.9385,
19.4198

■ 21.4324, 42.7438,
7.5169

■ 31.4763, 47.5466,
24.9307

■ 35.6365, 49.5466,
31.6642

■ 40.6559, 51.9618,
39.6877

■ 46.5790, 54.8138,
49.0634

■ 53.4470, 58.1228,
59.8497

■ 61.2990, 61.9076,
72.1016

■ 70.1715, 66.1859,
85.8710

Harmonies

Analogous

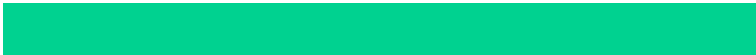
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.0217, 43.7897, 4.7128



23.6416, 43.7897, 11.7637



19.4967, 43.7897, 33.8311

Triad

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



23.6416, 43.7897, 11.7637



36.4529, 43.7897, 180.4596



74.6618, 43.7897, 25.7531

Complementary

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



23.6416, 43.7897, 11.7637



35.4831, 19.0033, 52.2494

Split Complementary

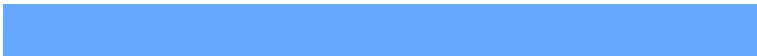
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2042, 43.7897, 64.8695



23.6416, 43.7897, 11.7637



51.5964, 43.7897, 173.3382

Square

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



23.6416, 43.7897, 11.7637



25.6397, 43.7897, 139.2969



66.9728, 43.7897, 123.3550



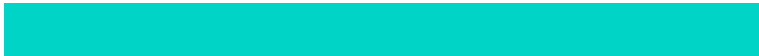
63.1550, 43.7897, 8.8503

Rectangle

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



23.6416, 43.7897, 11.7637



19.3978, 43.7897, 61.6497



66.9728, 43.7897, 123.3550



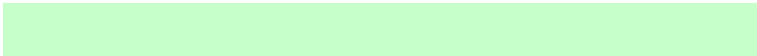
76.4502, 43.7897, 35.9974

Sweetspot

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



23.6426, 43.7915, 11.7647



70.0205, 87.9420, 69.5448



44.5997, 54.6241, 11.4417



14.4427, 18.5611, 14.0201



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.



23.6426, 43.7915, 11.7647



36.6779, 71.9426, 14.2470



27.1499, 45.1944, 30.2334



11.0977, 12.5488, 12.0719



13.6511, 27.2057, 4.8478



0.7150, 1.4078, 0.3068

Inverse Universe

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



35.4831, 19.0033, 52.2494



57.3792, 28.3820, 84.8638



29.2449, 16.5080, 19.3990



11.6542, 11.3904, 13.9797



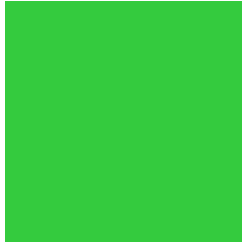
21.5705, 10.4388, 31.7865



1.1227, 0.5425, 1.6919

Previews

White Background



This preview shows how the XYZ color 23.6416, 43.7897, 11.7637 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 23.6416, 43.7897, 11.7637 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 23.6416, 43.7897, 11.7637

Background



This preview shows how black text looks on a background with the XYZ color 23.6416, 43.7897, 11.7637.



This preview shows how white text looks on a background with the XYZ color 23.6416, 43.7897,

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

23.6416, 43.7897, 11.7637

Protanopia

38.9799, 43.0623, 9.8718

Deuteranopia

43.7040, 42.8971, 12.6331



Tritanopia

34.1522, 43.6676, 64.3863

Trichromacy



Original Color

23.6416, 43.7897, 11.7637



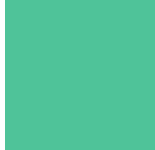
Protanomaly

29.8242, 41.3526, 10.4129



Deuteranomaly

31.3314, 40.2528, 11.9126



Tritanomaly

28.4893, 42.9924, 36.9338

Monochromacy



Original Color

23.6416, 43.7897, 11.7637



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.5628, 30.9944, 20.4161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6416, 43.7897, 11.7637 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(52, 203, 62)` looks like.

```
.text, #text, p{  
    color:rgb(52, 203, 62)  
}
```

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(52, 203, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 203, 62) }
```

Border

The CSS property to change the border of an element to XYZ 23.6416, 43.7897, 11.7637 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(52, 203, 62) }
```


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

```
.border{ border-color:rgb(52, 203, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 203, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 203, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 203, 62);  
box-shadow:4px 4px 4px 4px rgb(52, 203,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6416, 43.7897, 11.7637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 203, 62) }
```

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

```
.background{ background-color: rgb(52, 203,  
62) }
```

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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