

Converting Colors

XYZ(23.0943, 43.6134, 11.2574)

Have a look what the booklet for
XYZ(23.0943, 43.6134, 11.2574)
contains.

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Color

**XYZ(23.0341, 43.4888,
11.1831)**

Conversions

Conversions Part 1

Format	Color
Hex	29CB3A
RGB	41, 203, 58
RGB Percent	16%, 80%, 23%
CMY	0.8392, 0.2039, 0.7725
CMYK	0.80, 0.00, 0.71, 0.20
HSL	126°, 66%, 48%
HSV	126°, 80%, 80%
XYZ	23.0341, 43.4888, 11.1831
YIQ	138.0320, -50.0070, -79.4390

Conversions

Conversions Part 2

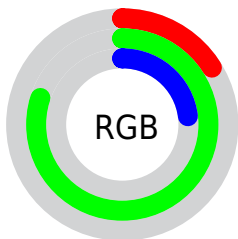
Format	Color
R _Y B	41, 188, 203
Decimal	2739002
CIE Lab	71.89, -67.09, 57.86
CIE LCh	72, 88.593, 139.220
Yxy	43.4888, 0.2964, 0.5597
Android (android.graphics.Color)	4280929082 (0xFF29CB3A)
YUV	138.0320, -39.4558, -85.0971
Hunter-Lab	65.9460, -53.0578, 36.1079

Details

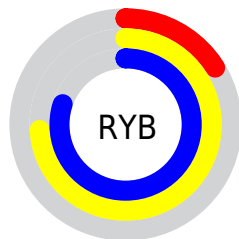
The XYZ color **23.0341, 43.4888, 11.1831** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **34.2854, 17.8281, 48.0881**, and the grayscale version is **24.3302, 25.5973, 27.8754**.

A 20% lighter version of the original color is **45.9431, 76.4253, 27.9529**, and **10.4337, 20.8674, 3.4779** is the 20% darker color. If you saturate the color by 10%, you get **22.0400, 43.0219, 9.1353**, and if you desaturate by 10%, it is **24.6104, 44.2395, 14.1113**.

Distribution



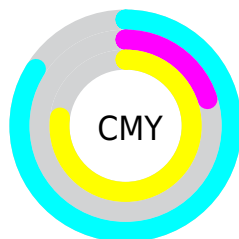
- Red (16%)
- Green (80%)
- Blue (23%)



- Red (16%)
- Yellow (74%)
- Blue (80%)



- Cyan (80%)
- Magenta (0%)
- Yellow (71%)
- Black (20%)





- Cyan (84%)
- Magenta (20%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0341, 43.4888, 11.1831 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 23.0341, 43.4888, 11.1831 by changing the saturation by 10% instead.


 23.0341, 43.4888,
11.1831


 23.0341, 43.4888,
11.1831


260.4322,
360.6181, 209.7018


 14.7395, 30.2688,
6.0744


 47.9156, 80.4480,
28.6401


 8.7219, 20.0427,
2.8209


 65.2331, 104.9559,
41.8254


 4.6159, 12.4261,
1.0039


 86.2891, 133.9954,
58.5401

 2.0561, 7.0346,
0.0000

 111.4488,
167.9506, 79.2026

 0.6652, 3.4837,
0.0000

 141.0776,
207.2061, 104.2314

 0.0000, 1.3892,
0.0000

175.5409,

 0.0000, 0.2087,

252.1463, 134.0452

0.0000

215.2039,
303.1555, 169.0625

■ 0.0000, 0.0000,
0.0000

■ 23.0341, 43.4888,
11.1831

■ 23.0341, 43.4888,
11.1831

■ 22.0400, 43.0219,
9.1353

■ 24.6104, 44.2395,
14.1113

■ 21.5034, 42.7729,
7.8649


■ 26.8378, 45.3040,
18.0008


■ 21.4951, 42.7689,
7.8469


■ 29.7785, 46.7140,
22.9268


■ 33.4868, 48.4961,
28.9560

■ 38.0116, 50.6742,
36.1498

 43.3978, 53.2702,
44.5649

 49.6870, 56.3044,
54.2543

 56.9181, 59.7959,
65.2679

 65.1276, 63.7625,
77.6529

Harmonies

Analogous

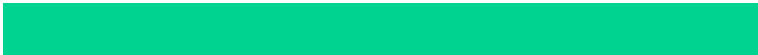
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.5039, 43.4888, 4.2554



23.0341, 43.4888, 11.1831



18.8898, 43.4888, 33.4547

Triad

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



23.0341, 43.4888, 11.1831



36.1446, 43.4888, 184.7748



75.2113, 43.4888, 24.9348

Complementary

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



23.0341, 43.4888, 11.1831



34.2854, 17.8281, 48.0881

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.



76.8699, 43.4888, 64.6465



23.0341, 43.4888, 11.1831



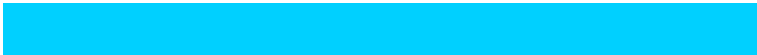
51.6358, 43.4888, 177.0431

Square

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



23.0341, 43.4888, 11.1831



25.1391, 43.4888, 142.1970



67.4134, 43.4888, 124.9527



63.3173, 43.4888, 8.1948

Rectangle

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



23.0341, 43.4888, 11.1831



18.8086, 43.4888, 61.9458



67.4134, 43.4888, 124.9527



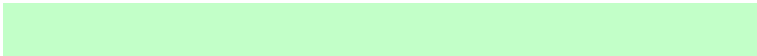
77.0774, 43.4888, 35.2515

Sweetspot

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



23.0351, 43.4906, 11.1841



68.4083, 87.1435, 67.9957



42.2025, 53.4138, 10.1834



13.9605, 18.3238, 13.4865



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.



23.0351, 43.4906, 11.1841



36.2045, 71.7126, 13.5944



26.8734, 45.0259, 31.3962



11.1151, 12.5558, 12.1636



13.6951, 27.2234, 5.0796



0.7231, 1.4111, 0.3495

Inverse Universe

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



34.2854, 17.8281, 48.0881



55.5362, 27.1556, 76.6667



28.0138, 15.3194, 15.0621



11.6348, 11.3827, 13.8776



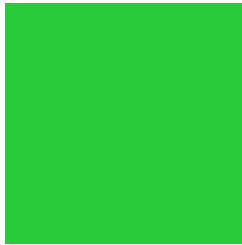
21.0468, 10.2293, 29.0286



1.1007, 0.5337, 1.5762

Previews

White Background



This preview shows how the XYZ color 23.0341, 43.4888, 11.1831 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 23.0341, 43.4888, 11.1831 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 23.0341, 43.4888, 11.1831

Background



This preview shows how black text looks on a background with the XYZ color 23.0341, 43.4888, 11.1831.



This preview shows how white text looks on a background with the XYZ color 23.0341, 43.4888,

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

23.0341, 43.4888, 11.1831

Protanopia

38.6925, 42.6347, 9.3220

Deuteranopia

43.4212, 42.4920, 12.0441



Tritanopia

33.5314, 43.0271, 64.2954

Trichromacy



Original Color

23.0341, 43.4888, 11.1831



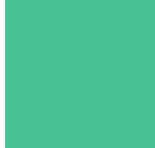
Protanomaly

28.8300, 40.5397, 9.7955



Deuteranomaly

30.2701, 39.4178, 11.3232



Tritanomaly

27.7069, 42.2670, 36.4038

Monochromacy



Original Color

23.0341, 43.4888, 11.1831



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.2742, 29.8284, 19.1042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0341, 43.4888, 11.1831 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(41, 203, 58)` looks like.

```
.text, #text, p{  
    color:rgb(41, 203, 58)  
}
```

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(41, 203, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 203, 58) }
```

Border

The CSS property to change the border of an element to XYZ 23.0341, 43.4888, 11.1831 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(41, 203, 58) }
```


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

```
.border{ border-color:rgb(41, 203, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 203, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 203, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 203, 58);  
box-shadow:4px 4px 4px 4px rgb(41, 203,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0341, 43.4888, 11.1831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 203, 58) }
```

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

```
.background{ background-color: rgb(41, 203,  
58) }
```

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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