

Converting Colors

XYZ(23.3108, 42.5801, 11.4559)

Have a look what the booklet for
XYZ(23.3108, 42.5801, 11.4559)
contains.

XYZ(23.3002, 42.5753, 11.4047)	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(23.3002, 42.5753,
11.4047)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC83D
RGB	59, 200, 61
RGB Percent	23%, 78%, 24%
CMY	0.7686, 0.2157, 0.7608
CMYK	0.71, 0.00, 0.69, 0.22
HSL	121°, 56%, 51%
HSV	121°, 71%, 78%
XYZ	23.3002, 42.5753, 11.4047
YIQ	141.9950, -39.4170, -73.1210

Conversions

Conversions Part 2

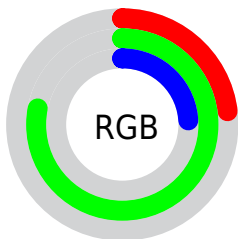
Format	Color
RYB	59, 198, 200
Decimal	3917885
CIELab	71.27, -63.22, 56.18
CIELCh	71, 84.575, 138.373
Yxy	42.5753, 0.3015, 0.5509
Android (android.graphics.Color)	4282107965 (0xFF3BC83D)
YUV	141.9950, -39.9305, -72.7866
Hunter-Lab	65.2498, -50.4460, 35.3118

Details

The XYZ color **23.3002, 42.5753, 11.4047** 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 **35.5773, 19.4850, 55.3112**, and the grayscale version is **25.8743, 27.2218, 29.6446**.

A 20% lighter version of the original color is **47.3120, 77.1178, 28.6113**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **21.8971, 41.9037, 9.0585**, and if you desaturate by 10%, it is **25.3544, 43.5625, 14.8019**.

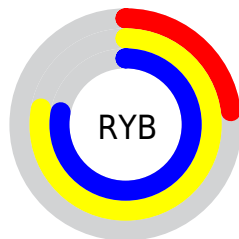
Distribution



Red (23%)

Green (78%)

Blue (24%)



Red (23%)

Yellow (78%)

Blue (78%)

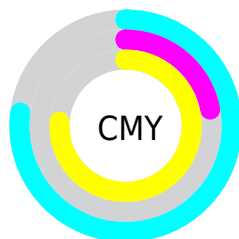


Cyan (71%)

Magenta (0%)

Yellow (69%)

Black (22%)



Cyan (77%)


Magenta (22%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3002, 42.5753, 11.4047 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 23.3002, 42.5753, 11.4047 by changing the saturation by 10% instead.


 23.3002, 42.5753,
11.4047


 23.3002, 42.5753,
11.4047


261.7698,
356.8623, 211.2595


 14.9372, 29.5520,
6.2222


 48.3488, 79.0696,
29.0541


 8.8614, 19.4988,
2.9097


 65.7652, 103.3094,
42.3581


 4.7073, 12.0313,
1.0487


 86.9301, 132.0568,
59.2063

 2.1095, 6.7650,
0.0000

 112.2089,
165.6963, 80.0173

 0.6944, 3.3156,
0.0000

 141.9669,
204.6121, 105.2095

 0.0000, 1.2986,
0.0000

176.5694,

 0.0000, 0.1401,

249.1888, 135.2016

0.0000

216.3820,
299.8108, 170.4121

■ 0.0000, 0.0000,
0.0000

■ 23.3002, 42.5753,
11.4047

■ 23.3002, 42.5753,
11.4047

■ 21.8971, 41.9037,
9.0585

■ 25.3544, 43.5625,
14.8019

■ 21.0644, 41.5050,
7.6387

■ 28.1223, 44.8916,
19.3505

■ 20.6707, 41.3165,
6.9671

■ 31.6625, 46.5921,
25.1423

■ 36.0268, 48.6890,
32.2594

■ 41.2625, 51.2050,
40.7764

■ 47.4132, 54.1611,
50.7627

■ 54.5198, 57.5771,
62.2830

■ 62.6205, 61.4712,
75.3982

■ 71.7515, 65.8611,
90.1658

Harmonies

Analogous

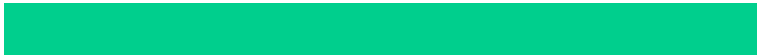
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.4582, 42.5753, 4.7074



23.3002, 42.5753, 11.4047



19.1864, 42.5753, 32.3192

Triad

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



23.3002, 42.5753, 11.4047



35.2107, 42.5753, 172.8222



72.2922, 42.5753, 25.8248

Complementary

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



23.3002, 42.5753, 11.4047



35.5773, 19.4850, 55.3112

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.



73.5230, 42.5753, 63.9652



23.3002, 42.5753, 11.4047



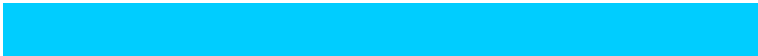
49.6944, 42.5753, 167.1614

Square

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



23.3002, 42.5753, 11.4047



24.9076, 42.5753, 132.7819



64.4912, 42.5753, 120.0912



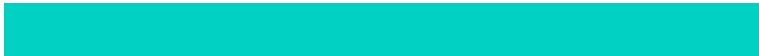
61.4420, 42.5753, 9.0369

Rectangle

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



23.3002, 42.5753, 11.4047



19.0232, 42.5753, 58.6975



64.4912, 42.5753, 120.0912



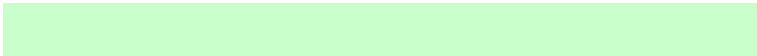
73.9245, 42.5753, 35.8805

Sweetspot

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



23.3012, 42.5771, 11.4057



70.6543, 88.2743, 69.3232



45.2650, 53.9059, 12.1568



14.5535, 18.6207, 13.9123



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.



23.3012, 42.5771, 11.4057



36.9746, 72.0993, 14.0961



26.4547, 43.8385, 28.0116



10.5035, 11.8903, 11.3356



13.1454, 26.2706, 4.4445



0.6246, 1.2448, 0.2219

Inverse Universe

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



35.5773, 19.4850, 55.3112



59.4988, 29.6854, 94.6213



29.3803, 17.0062, 22.6782



11.0764, 10.8139, 13.3854



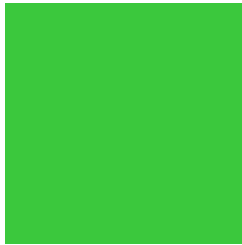
21.5676, 10.3766, 34.5287



1.0234, 0.4922, 1.6462

Previews

White Background



This preview shows how the XYZ color 23.3002, 42.5753, 11.4047 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 23.3002, 42.5753, 11.4047 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 23.3002, 42.5753, 11.4047

Background



This preview shows how black text looks on a background with the XYZ color 23.3002, 42.5753, 11.4047.



This preview shows how white text looks on a background with the XYZ color 23.3002, 42.5753,

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

23.3002, 42.5753, 11.4047

Protanopia

37.8576, 41.6228, 9.5287

Deuteranopia

42.6821, 41.8384, 12.1294



Tritanopia

33.4680, 42.4016, 62.2975

Trichromacy



Original Color

23.3002, 42.5753, 11.4047



Protanomaly

29.3491, 40.1821, 10.0800



Deuteranomaly

31.0951, 39.5396, 11.6232



Tritanomaly

28.0917, 41.8185, 35.8693

Monochromacy



Original Color

23.3002, 42.5753, 11.4047



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.7599, 30.8314, 20.3743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3002, 42.5753, 11.4047 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(59, 200, 61)` looks like.

```
.text, #text, p{  
    color:rgb(59, 200, 61)  
}
```

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(59, 200, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 200, 61) }
```

Border

The CSS property to change the border of an element to XYZ 23.3002, 42.5753, 11.4047 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(59, 200, 61) }
```


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

```
.border{ border-color:rgb(59, 200, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 200, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 200, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 200, 61);  
box-shadow:4px 4px 4px 4px rgb(59, 200,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3002, 42.5753, 11.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 200, 61) }
```

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

```
.background{ background-color: rgb(59, 200,  
61) }
```

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