

Converting Colors

XYZ(23.5101, 41.0261, 16.2781)

Have a look what the booklet for
XYZ(23.5101, 41.0261, 16.2781)
contains.

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Color

**XYZ(23.4105, 40.8252,
16.3190)**

Conversions

Conversions Part 1

Format	Color
Hex	3FC35A
RGB	63, 195, 90
RGB Percent	25%, 76%, 35%
CMY	0.7529, 0.2353, 0.6470
CMYK	0.68, 0.00, 0.54, 0.24
HSL	132°, 52%, 51%
HSV	132°, 68%, 76%
XYZ	23.4105, 40.8252, 16.3190
YIQ	143.5620, -44.9670, -60.6390

Conversions

Conversions Part 2

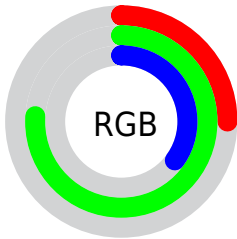
Format	Color
RYB	63, 173, 195
Decimal	4178778
CIELab	70.05, -57.50, 42.13
CIELCh	70, 71.282, 143.769
Yxy	40.8252, 0.2906, 0.5068
Android (android.graphics.Color)	4282368858 (0xFF3FC35A)
YUV	143.5620, -26.4061, -70.6529
Hunter-Lab	63.8946, -46.4145, 29.5833

Details

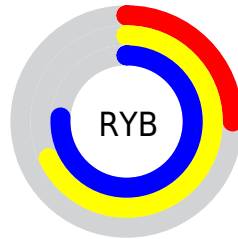
The XYZ color **23.4105, 40.8252, 16.3190** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **31.3523, 17.9850, 38.8661**, and the grayscale version is **26.4497, 27.8272, 30.3038**.

A 20% lighter version of the original color is **48.6119, 76.6392, 37.8219**, and **9.7443, 18.9027, 5.0545** is the 20% darker color. If you saturate the color by 10%, you get **21.7860, 40.0574, 13.1493**, and if you desaturate by 10%, it is **25.6157, 41.8788, 20.2369**.

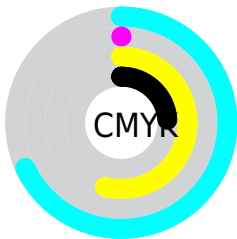
Distribution



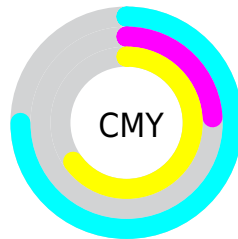
- Red (25%)
- Green (76%)
- Blue (35%)



- Red (25%)
- Yellow (68%)
- Blue (76%)



- Cyan (68%)
- Magenta (0%)
- Yellow (54%)
- Black (24%)



- Cyan (75%)
- Magenta (24%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4105, 40.8252, 16.3190 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 23.4105, 40.8252, 16.3190 by changing the saturation by 10% instead.

■ 23.4105, 40.8252,
16.3190

■ 23.4105, 40.8252,
16.3190

262.3226,
349.5895, 243.1264

■ 15.0193, 28.1825,
9.5934

■ 48.5282, 76.4185,
37.9256

■ 8.9193, 18.4633,
5.0281

■ 65.9854, 100.1379,
53.6436

■ 4.7453, 11.2831,
2.2048

■ 87.1953, 128.3183,
73.1962

■ 2.1318, 6.2576,
0.6771

■ 112.5232,
161.3441, 97.0019

■ 0.7064, 3.0023,
0.0000

■ 142.3346,
199.5997, 125.4792

■ 0.0000, 1.1330,
0.0000

176.9947,

■ 0.0000, 0.0059,

243.4696, 159.0467

0.0000

216.8689,
293.3381, 198.1230

■ 0.0000, 0.0000,
0.0000

■ 23.4105, 40.8252,
16.3190

■ 23.4105, 40.8252,
16.3190

■ 21.7860, 40.0574,
13.1493

■ 25.6157, 41.8788,
20.2369

■ 20.6815, 39.5416,
10.6772

■ 28.4485, 43.2379,
24.9438


■ 20.0169, 39.2388,
8.8496


■ 31.9540, 44.9261,
30.4807


■ 19.8970, 39.1843,
8.5122


■ 36.1725, 46.9634,
36.8851

■ 41.1410, 49.3682,
44.1921

 46.8940, 52.1575,
52.4349

 53.4636, 55.3472,
61.6450

 60.8805, 58.9525,
71.8523

 69.1733, 62.9876,
83.0857

Harmonies

Analogous

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



30.4669, 40.8252, 7.8194



23.4105, 40.8252, 16.3190



20.5421, 40.8252, 37.8538

Triad

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



23.4105, 40.8252, 16.3190



36.4252, 40.8252, 143.4043



63.0887, 40.8252, 23.3064

Complementary

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



23.4105, 40.8252, 16.3190



31.3523, 17.9850, 38.8661

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.



65.5613, 40.8252, 51.7749



23.4105, 40.8252, 16.3190



48.5361, 40.8252, 132.6466

Square

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



23.4105, 40.8252, 16.3190



27.0257, 40.8252, 118.7483



59.7905, 40.8252, 94.0907



53.5843, 40.8252, 10.2121

Rectangle

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



23.4105, 40.8252, 16.3190



20.8781, 40.8252, 61.5105



59.7905, 40.8252, 94.0907



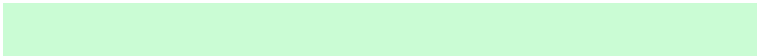
64.8395, 40.8252, 30.8802

Sweetspot

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



23.4115, 40.8269, 16.3199



71.2182, 87.2228, 75.5599



36.6904, 47.7819, 11.9919



15.0294, 18.8266, 15.7157



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.



23.4115, 40.8269, 16.3199



38.0058, 71.2660, 21.3793



27.5162, 42.4688, 37.9351



10.0268, 11.2918, 11.1446



12.9564, 25.4766, 5.6633



0.5852, 1.1109, 0.3783

Inverse Universe

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



31.3523, 17.9850, 38.8661



53.0742, 27.5749, 63.9055



26.7125, 16.1291, 14.4329



10.4062, 10.2111, 12.2294



18.5099, 9.0937, 21.1290



0.8226, 0.4021, 1.0333

Previews

White Background



This preview shows how the XYZ color 23.4105, 40.8252, 16.3190 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 23.4105, 40.8252, 16.3190 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 23.4105, 40.8252, 16.3190

Background



This preview shows how black text looks on a background with the XYZ color 23.4105, 40.8252, 16.3190.



This preview shows how white text looks on a background with the XYZ color 23.4105, 40.8252,

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

23.4105, 40.8252, 16.3190

Protanopia

36.6368, 40.0500, 13.7821

Deuteranopia

40.9046, 40.0069, 17.3706



Tritanopia

31.9504, 40.4310, 59.5461

Trichromacy



Original Color

23.4105, 40.8252, 16.3190



Protanomaly

29.0875, 38.7357, 14.5380



Deuteranomaly

30.7649, 38.0852, 16.7960



Tritanomaly

27.6845, 39.9287, 39.0488

Monochromacy



Original Color

23.4105, 40.8252, 16.3190



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.8055, 31.2945, 23.8545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4105, 40.8252, 16.3190 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, 195, 90)` looks like.

```
.text, #text, p{  
    color:rgb(63, 195, 90)  
}
```

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, 195, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 195, 90) }
```

Border

The CSS property to change the border of an element to XYZ 23.4105, 40.8252, 16.3190 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, 195, 90) }
```


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

```
.border{ border-color:rgb(63, 195, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 195, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 195, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 195, 90);  
box-shadow:4px 4px 4px 4px rgb(63, 195,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4105, 40.8252, 16.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 195, 90) }
```

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

```
.background{ background-color: rgb(63, 195,  
90) }
```

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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