

Converting Colors

XYZ(29.6117, 43.3850, 15.4078)

Have a look what the booklet for
XYZ(29.6117, 43.3850, 15.4078)
contains.

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Color

**XYZ(29.6117, 43.3850,
15.4078)**

Conversions

Conversions Part 1

Format	Color
Hex	80C155
RGB	128, 193, 85
RGB Percent	50%, 76%, 33%
CMY	0.4980, 0.2431, 0.6667
CMYK	0.34, 0.00, 0.56, 0.24
HSL	96°, 47%, 55%
HSV	96°, 56%, 76%
XYZ	29.6117, 43.3850, 15.4078
YIQ	161.2530, -4.0720, -47.3680

Conversions

Conversions Part 2

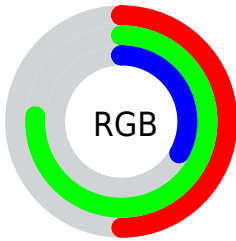
Format	Color
RYB	85, 193, 150
Decimal	8438101
CIELab	71.82, -39.56, 47.18
CIElCh	72, 61.573, 129.975
Yxy	43.3850, 0.3350, 0.4908
Android (android.graphics.Color)	4286628181 (0xFF80C155)
YUV	161.2530, -37.5927, -29.1629
Hunter-Lab	65.8673, -35.0202, 32.2379

Details

The XYZ color **29.6117, 43.3850, 15.4078** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **25.4540, 16.8327, 52.3620**, and the grayscale version is **34.1658, 35.9451, 39.1442**.

A 20% lighter version of the original color is **58.5402, 80.3965, 36.4774**, and **12.3312, 20.0309, 4.6553** is the 20% darker color. If you saturate the color by 10%, you get **27.2990, 42.2709, 11.8287**, and if you desaturate by 10%, it is **32.3357, 44.6896, 20.0994**.

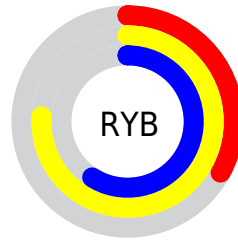
Distribution



Red (50%)

Green (76%)

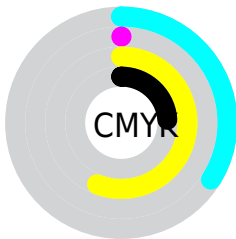
Blue (33%)



Red (33%)

Yellow (76%)

Blue (59%)

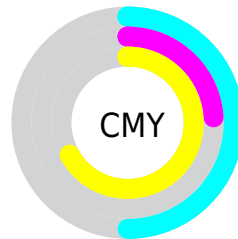


Cyan (34%)

Magenta (0%)

Yellow (56%)

Black (24%)



Cyan (50%)

Magenta (24%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6117, 43.3850, 15.4078 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 29.6117, 43.3850, 15.4078 by changing the saturation by 10% instead.

■ 29.6117, 43.3850,
15.4078

■ 29.6117, 43.3850,
15.4078

292.0327,
360.1927, 237.5466

■ 19.6906, 30.1873,
8.9563

■ 58.4384, 80.2915,
36.3194

■ 12.2773, 19.9808,
4.6163

■ 78.0748, 104.7691,
51.6165

■ 7.0064, 12.3811,
1.9692

■ 101.6803,
133.7755, 70.6993

■ 3.5125, 7.0038,
0.5362

■ 129.6204,
167.6951, 93.9863

■ 1.4302, 3.4645,
0.0000

■ 162.2603,
206.9121, 121.8959

■ 0.2776, 1.3788,
0.0000

199.9654,

■ 0.0000, 0.2010,

251.8112, 154.8469

0.0000

243.1011,
302.7766, 193.2576

■ 0.0000, 0.0000,
0.0000

■ 29.6117, 43.3850,
15.4078

■ 29.6117, 43.3850,
15.4078

■ 27.2990, 42.2709,
11.8287

■ 32.3357, 44.6896,
20.0994

■ 25.3703, 41.3313,
9.2671

■ 35.4898, 46.1886,
25.9825

■ 23.7993, 40.5564,
7.6169

■ 39.0951, 47.8927,
33.1324

■ 22.5528, 39.9318,
6.7430

■ 43.1704, 49.8100,
41.6170

■ 22.1183, 39.7128,
6.4996

■ 47.7332, 51.9483,
51.4996

■ 52.8003, 54.3147,
62.8395

■ 58.3874, 56.9162,
75.6925

■ 64.5095, 59.7595,
90.1113

■ 70.5784, 62.6098,
102.9727

Harmonies

Analogous

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



37.8476, 43.3850, 10.1768



29.6117, 43.3850, 15.4078



25.0716, 43.3850, 30.1246

Triad

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



29.6117, 43.3850, 15.4078



34.7220, 43.3850, 124.7115



64.4003, 43.3850, 37.9425

Complementary

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



29.6117, 43.3850, 15.4078



25.4540, 16.8327, 52.3620

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.



63.1800, 43.3850, 69.8496



29.6117, 43.3850, 15.4078



44.8211, 43.3850, 129.7696

Square

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



29.6117, 43.3850, 15.4078



27.6575, 43.3850, 94.7815



55.5628, 43.3850, 106.5974



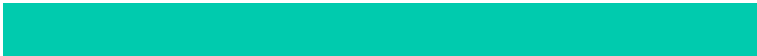
58.6595, 43.3850, 19.0440

Rectangle

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



29.6117, 43.3850, 15.4078



24.2086, 43.3850, 47.2139



55.5628, 43.3850, 106.5974



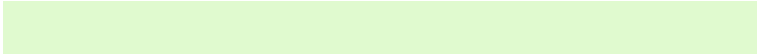
64.8107, 43.3850, 47.2639

Sweetspot

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



29.6127, 43.3869, 15.4087



76.3109, 88.7346, 72.4046



34.5083, 33.7441, 13.2895



16.0447, 18.8830, 14.8456



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.6127, 43.3869, 15.4087



48.1124, 75.3266, 20.0798



24.9198, 40.9141, 17.6027



10.3154, 11.4501, 10.7283



14.7953, 26.4561, 4.3267



0.7169, 1.1831, 0.1906

Inverse Universe

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



25.4540, 16.8327, 52.3620



39.8786, 23.0982, 92.7169



33.7067, 21.2214, 46.6862



10.0967, 10.0410, 12.6908



11.2993, 5.0855, 33.9427



0.5641, 0.2589, 1.4701

Previews

White Background



This preview shows how the XYZ color 29.6117, 43.3850, 15.4078 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 29.6117, 43.3850, 15.4078 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 29.6117, 43.3850, 15.4078

Background



This preview shows how black text looks on a background with the XYZ color 29.6117, 43.3850, 15.4078.



This preview shows how white text looks on a background with the XYZ color 29.6117, 43.3850,

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

29.6117, 43.3850, 15.4078

Protanopia

38.9894, 42.6938, 13.5829

Deuteranopia

43.7748, 42.8572, 16.0903



Tritanopia

38.1647, 43.0530, 58.5231

Trichromacy



Original Color

29.6117, 43.3850, 15.4078

Protanomaly

34.7907, 42.5960, 14.1728

Deuteranomaly

36.8569, 41.8392, 15.5844

Tritanomaly

33.9972, 42.5872, 37.8808

Monochromacy



Original Color

29.6117, 43.3850, 15.4078

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.5716, 37.9702, 27.8553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6117, 43.3850, 15.4078 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(128, 193, 85)` looks like.

```
.text, #text, p{  
    color:rgb(128, 193, 85)  
}
```

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(128, 193, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 193, 85) }
```

Border

The CSS property to change the border of an element to XYZ 29.6117, 43.3850, 15.4078 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(128, 193, 85) }
```


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

```
.border{ border-color:rgb(128, 193, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 193, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 193, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 193, 85);  
box-shadow:4px 4px 4px 4px rgb(128, 193,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6117, 43.3850, 15.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 193, 85) }
```

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

```
.background{ background-color: rgb(128,  
193, 85) }
```

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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