

Converting Colors

XYZ(28.8488, 41.8423, 15.2060)

Have a look what the booklet for
XYZ(28.8488, 41.8423, 15.2060)
contains.

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Color

**XYZ(28.7394, 41.6403,
15.1170)**

Conversions

Conversions Part 1

Format	Color
Hex	80BD55
RGB	128, 189, 85
RGB Percent	50%, 74%, 33%
CMY	0.4980, 0.2588, 0.6667
CMYK	0.32, 0.00, 0.55, 0.26
HSL	95°, 44%, 54%
HSV	95°, 55%, 74%
XYZ	28.7394, 41.6403, 15.1170
YIQ	158.9050, -2.9720, -45.2760

Conversions

Conversions Part 2

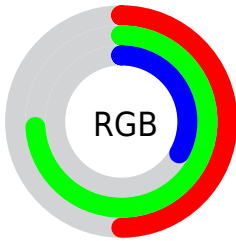
Format	Color
RYB	85, 189, 146
Decimal	8437077
CIELab	70.62, -37.78, 45.79
CIELCh	71, 59.359, 129.524
Yxy	41.6403, 0.3361, 0.4870
Android (android.graphics.Color)	4286627157 (0xFF80BD55)
YUV	158.9050, -36.4352, -27.1037
Hunter-Lab	64.5293, -33.4278, 31.2809

Details

The XYZ color **28.7394, 41.6403, 15.1170** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.2898, 16.2834, 50.0093**, and the grayscale version is **33.0745, 34.7969, 37.8939**.

A 20% lighter version of the original color is **57.2383, 77.9080, 35.6879**, and **11.7625, 18.8936, 4.4657** is the 20% darker color. If you saturate the color by 10%, you get **26.5094, 40.5675, 11.6032**, and if you desaturate by 10%, it is **31.3542, 42.8909, 19.6972**.

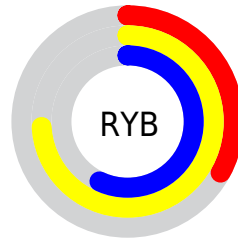
Distribution



Red (50%)

Green (74%)

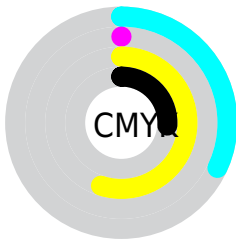
Blue (33%)



Red (33%)

Yellow (74%)

Blue (57%)

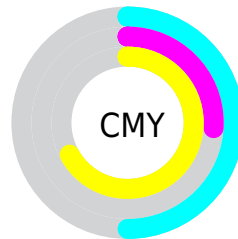


Cyan (32%)

Magenta (0%)

Yellow (55%)

Black (26%)



Cyan (50%)

Magenta (26%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7394, 41.6403, 15.1170 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 28.7394, 41.6403, 15.1170 by changing the saturation by 10% instead.

■ 28.7394, 41.6403,
15.1170

■ 28.7394, 41.6403,
15.1170

287.9998,
352.9897, 235.7384

■ 19.0271, 28.8197,
8.7540

■ 57.0632, 77.6549,
35.8035

■ 11.7940, 18.9445,
4.4865

■ 76.4054, 101.6178,
50.9641

■ 6.6747, 11.6302,
1.8958

■ 99.6883, 130.0636,
69.8943

■ 3.3040, 6.4924,
0.4901

■ 127.2771,
163.3766, 93.0127

■ 1.3165, 3.1467,
0.0000

■ 159.5373,
201.9414, 120.7377

■ 0.1955, 1.2088,
0.0000

196.8343,

■ 0.0000, 0.0689,

246.1422, 153.4880

0.0000

239.5333,
296.3635, 191.6820

■ 0.0000, 0.0000,
0.0000

■ 28.7394, 41.6403,
15.1170

■ 28.7394, 41.6403,
15.1170

■ 26.5094, 40.5675,
11.6032

■ 31.3542, 42.8909,
19.6972

■ 24.6390, 39.6574,
9.0668

■ 34.3709, 44.3226,
25.4181

■ 23.1042, 38.9013,
7.4086

■ 37.8091, 45.9451,
32.3505

■ 21.8753, 38.2865,
6.5071

■ 41.6860, 47.7661,
40.5584

■ 21.3518, 38.0226,
6.2137

■ 46.0178, 49.7925,
50.1017

■ 50.8199, 52.0310,
61.0361

■ 56.1068, 54.4880,
73.4145

■ 61.8925, 57.1696,
87.2869

■ 68.1730, 60.0747,
102.6102

Harmonies

Analogous

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



36.5361, 41.6403, 10.1916



28.7394, 41.6403, 15.1170



24.3972, 41.6403, 28.9353

Triad

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



28.7394, 41.6403, 15.1170



33.3350, 41.6403, 117.1814



61.2654, 41.6403, 36.9699

Complementary

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



28.7394, 41.6403, 15.1170



24.2898, 16.2834, 50.0093

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.



60.0260, 41.6403, 67.0018



28.7394, 41.6403, 15.1170



42.7839, 41.6403, 122.2832

Square

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



28.7394, 41.6403, 15.1170



26.7300, 41.6403, 89.1789



52.8471, 41.6403, 101.1301



55.9969, 41.6403, 18.9036

Rectangle

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



28.7394, 41.6403, 15.1170



23.5439, 41.6403, 44.8913



52.8471, 41.6403, 101.1301



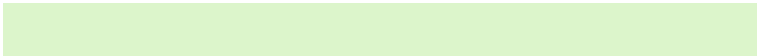
61.6133, 41.6403, 45.7900

Sweetspot

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



28.7404, 41.6421, 15.1179



73.0265, 84.7809, 69.1304



32.8552, 31.9315, 13.0267



15.3989, 18.0885, 14.2153



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.7404, 41.6421, 15.1179



46.7452, 72.2988, 19.7220



23.9507, 39.1306, 16.8028



9.7724, 10.8371, 10.1533



14.4480, 25.6241, 4.1845



0.6405, 1.0421, 0.1674

Inverse Universe

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



24.2898, 16.2834, 50.0093



37.9227, 22.2678, 88.5256



32.5087, 20.6259, 45.6282



9.5382, 9.4943, 12.0021



10.6678, 4.7855, 32.7543



0.4906, 0.2249, 1.2864

Previews

White Background



This preview shows how the XYZ color 28.7394, 41.6403, 15.1170 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 28.7394, 41.6403, 15.1170 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 28.7394, 41.6403, 15.1170

Background



This preview shows how black text looks on a background with the XYZ color 28.7394, 41.6403, 15.1170.



This preview shows how white text looks on a background with the XYZ color 28.7394, 41.6403,

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

28.7394, 41.6403, 15.1170

Protanopia

37.6863, 41.1606, 13.5479

Deuteranopia

42.0712, 41.1725, 15.8549



Tritanopia

36.9364, 41.5759, 55.9474

Trichromacy



Original Color

28.7394, 41.6403, 15.1170

Protanomaly

33.5918, 40.7748, 14.0825

Deuteranomaly

35.8028, 40.4322, 15.3684

Tritanomaly

32.9590, 41.1591, 36.3444

Monochromacy



Original Color

28.7394, 41.6403, 15.1170

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.7523, 36.7113, 27.2950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7394, 41.6403, 15.1170 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, 189, 85)` looks like.

```
.text, #text, p{  
    color:rgb(128, 189, 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, 189, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 189, 85) }
```

Border

The CSS property to change the border of an element to XYZ 28.7394, 41.6403, 15.1170 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, 189, 85) }
```


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

```
.border{ border-color:rgb(128, 189, 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, 189, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 189, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 189, 85);  
box-shadow:4px 4px 4px 4px rgb(128, 189,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7394, 41.6403, 15.1170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 189, 85) }
```

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

```
.background{ background-color: rgb(128,  
189, 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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