

Converting Colors

XYZ(29.5645, 41.6982, 17.3168)

Have a look what the booklet for
XYZ(29.5645, 41.6982, 17.3168)
contains.

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Color

**XYZ(29.5645, 41.6982,
17.3168)**

Conversions

Conversions Part 1

Format	Color
Hex	84BC5F
RGB	132, 188, 95
RGB Percent	52%, 74%, 37%
CMY	0.4824, 0.2627, 0.6274
CMYK	0.30, 0.00, 0.49, 0.26
HSL	96°, 41%, 55%
HSV	96°, 49%, 74%
XYZ	29.5645, 41.6982, 17.3168
YIQ	160.6540, -3.5230, -40.7950

Conversions

Conversions Part 2

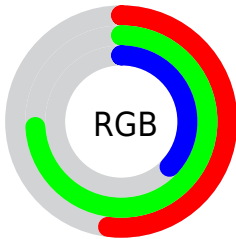
Format	Color
RYB	95, 188, 151
Decimal	8698975
CIELab	70.66, -34.77, 41.06
CIELCh	71, 53.801, 130.257
Yxy	41.6982, 0.3338, 0.4707
Android (android.graphics.Color)	4286889055 (0xFF84BC5F)
YUV	160.6540, -32.3674, -25.1296
Hunter-Lab	64.5741, -31.2807, 29.3021

Details

The XYZ color **29.5645, 41.6982, 17.3168** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **25.9337, 18.3958, 49.7632**, and the grayscale version is **33.8632, 35.6267, 38.7975**.

A 20% lighter version of the original color is **58.4124, 77.9762, 39.5760**, and **12.2232, 18.9019, 5.4868** is the 20% darker color. If you saturate the color by 10%, you get **27.1359, 40.5346, 13.2681**, and if you desaturate by 10%, it is **32.3936, 43.0470, 22.4624**.

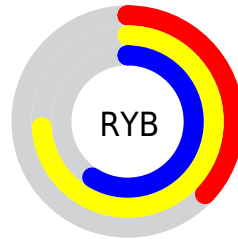
Distribution



Red (52%)

Green (74%)

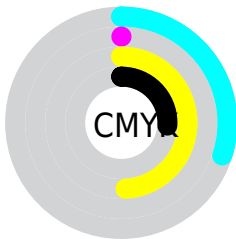
Blue (37%)



Red (37%)

Yellow (74%)

Blue (59%)

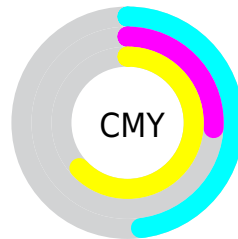


Cyan (30%)

Magenta (0%)

Yellow (49%)

Black (26%)



Cyan (48%)

Magenta (26%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5645, 41.6982, 17.3168 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 29.5645, 41.6982, 17.3168 by changing the saturation by 10% instead.

■ 29.5645, 41.6982,
17.3168

■ 29.5645, 41.6982,
17.3168

291.8156,
353.2303, 249.0969

■ 19.6547, 28.8650,
10.2963

■ 58.3641, 77.7427,
39.6678

■ 12.2511, 18.9788,
5.4877

■ 77.9847, 101.7228,
55.8353

■ 6.9883, 11.6549,
2.4724

■ 101.5729,
130.1873, 75.8889

■ 3.5011, 6.5092,
0.8255

■ 129.4940,
163.5207, 100.2471

■ 1.4239, 3.1571,
0.0000

162.1135,
202.1072, 129.3284

■ 0.2732, 1.2143,
0.0000

199.7967,

■ 0.0000, 0.0733,

246.3315, 163.5515

0.0000

242.9089,
296.5777, 203.3348

■ 0.0000, 0.0000,
0.0000

■ 29.5645, 41.6982,
17.3168

■ 29.5645, 41.6982,
17.3168

■ 27.1359, 40.5346,
13.2681

■ 32.3936, 43.0470,
22.4624

■ 25.0834, 39.5416,
10.2339

■ 35.6395, 44.5840,
28.7740

■ 23.3847, 38.7107,
8.1244


■ 39.3212, 46.3188,
36.3183


■ 22.0125, 38.0305,
6.8330


■ 43.4556, 48.2588,
45.1561


■ 20.9221, 37.4822,
6.1608


■ 48.0587, 50.4111,
55.3440

 20.8695, 37.4556,
6.1297

 53.1454, 52.7821,
66.9357

 58.7302, 55.3782,
79.9814

 64.8268, 58.2054,
94.5294

 69.9302, 60.6623,
102.6310

Harmonies

Analogous

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



36.6611, 41.6982, 12.2217



29.5645, 41.6982, 17.3168



25.6009, 41.6982, 30.7685

Triad

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



29.5645, 41.6982, 17.3168



34.1250, 41.6982, 108.9756



58.9852, 41.6982, 37.2171

Complementary

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



29.5645, 41.6982, 17.3168



25.9337, 18.3958, 49.7632

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.



58.0349, 41.6982, 64.0662



29.5645, 41.6982, 17.3168



42.7611, 41.6982, 112.7821

Square

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



29.5645, 41.6982, 17.3168



27.9478, 41.6982, 85.0423



51.7613, 41.6982, 94.0576



54.1909, 41.6982, 20.5114

Rectangle

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



29.5645, 41.6982, 17.3168



24.8562, 41.6982, 45.6227



51.7613, 41.6982, 94.0576



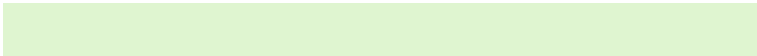
59.3425, 41.6982, 45.1825

Sweetspot

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



29.5655, 41.7000, 17.3177



74.3223, 85.3803, 72.2890



33.8407, 33.5882, 15.5266



15.6499, 18.2044, 14.8391



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.



29.5655, 41.7000, 17.3177



48.9763, 73.3625, 23.7293



25.2178, 39.4069, 19.4546



9.7583, 10.8298, 10.1527



14.2871, 25.5412, 4.1769



0.6337, 1.0386, 0.1671

Inverse Universe

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



25.9337, 18.3958, 49.7632



41.6208, 26.3735, 89.1231



32.9392, 22.1195, 45.0244



9.5527, 9.5018, 12.0028



10.9208, 4.9160, 32.7662



0.4996, 0.2296, 1.2868

Previews

White Background



This preview shows how the XYZ color 29.5645, 41.6982, 17.3168 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 29.5645, 41.6982, 17.3168 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 29.5645, 41.6982, 17.3168

Background



This preview shows how black text looks on a background with the XYZ color 29.5645, 41.6982, 17.3168.



This preview shows how white text looks on a background with the XYZ color 29.5645, 41.6982,

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

29.5645, 41.6982, 17.3168

Protanopia

37.8332, 41.1904, 15.6294

Deuteranopia

41.9189, 41.0458, 18.0252



Tritanopia

37.1587, 41.4089, 55.3245

Trichromacy



Original Color

29.5645, 41.6982, 17.3168

Protanomaly

34.2143, 41.0485, 16.2451

Deuteranomaly

36.2518, 40.6117, 17.7326

Tritanomaly

33.6800, 41.1988, 37.6295

Monochromacy



Original Color

29.5645, 41.6982, 17.3168

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.6559, 37.4160, 29.2205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5645, 41.6982, 17.3168 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(132, 188, 95)` looks like.

```
.text, #text, p{  
    color:rgb(132, 188, 95)  
}
```

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(132, 188, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 188, 95) }
```

Border

The CSS property to change the border of an element to XYZ 29.5645, 41.6982, 17.3168 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(132, 188, 95) }
```


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

```
.border{ border-color:rgb(132, 188, 95) }
```

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

Here you see how a box with a 4 pixel rgb(132, 188, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 188, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 188, 95);  
box-shadow:4px 4px 4px 4px rgb(132, 188,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5645, 41.6982, 17.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 188, 95) }
```

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

```
.background{ background-color: rgb(132,  
188, 95) }
```

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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