

Converting Colors

XYZ(29.3306, 48.8647, 14.2215)

Have a look what the booklet for
XYZ(29.3306, 48.8647, 14.2215)
contains.

XYZ(29.2586, 48.7913, 14.1789)	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(29.2586, 48.7913,
14.1789)**

Conversions

Conversions Part 1

Format	Color
Hex	64D149
RGB	100, 209, 73
RGB Percent	39%, 82%, 29%
CMY	0.6078, 0.1804, 0.7137
CMYK	0.52, 0.00, 0.65, 0.18
HSL	108°, 60%, 55%
HSV	108°, 65%, 82%
XYZ	29.2586, 48.7913, 14.1789
YIQ	160.9050, -21.3080, -65.4040

Conversions

Conversions Part 2

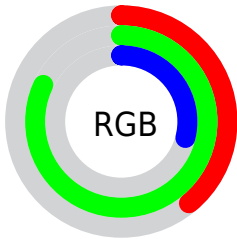
Format	Color
RYB	73, 209, 182
Decimal	6607177
CIELab	75.32, -56.02, 56.08
CIELCh	75, 79.266, 134.972
Yxy	48.7913, 0.3172, 0.5290
Android (android.graphics.Color)	4284797257 (0xFF64D149)
YUV	160.9050, -43.3372, -53.4137
Hunter-Lab	69.8508, -47.4700, 36.8604

Details

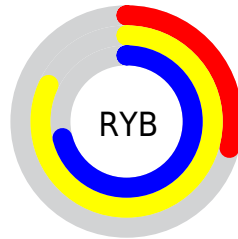
The XYZ color **29.2586, 48.7913, 14.1789** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **33.1853, 19.3154, 62.3034**, and the grayscale version is **34.0354, 35.8078, 38.9947**.

A 20% lighter version of the original color is **53.8888, 80.4232, 32.7617**, and **12.0001, 23.0913, 4.0543** is the 20% darker color. If you saturate the color by 10%, you get **27.0129, 47.7021, 11.0448**, and if you desaturate by 10%, it is **32.1204, 50.1741, 18.5589**.

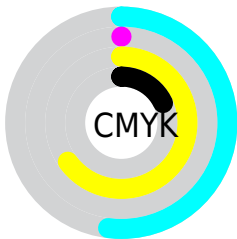
Distribution



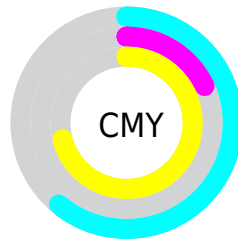
- Red (39%)
- Green (82%)
- Blue (29%)



- Red (29%)
- Yellow (82%)
- Blue (71%)



- Cyan (52%)
- Magenta (0%)
- Yellow (65%)
- Black (18%)



- Cyan (61%)
- Magenta (18%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2586, 48.7913, 14.1789 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 29.2586, 48.7913, 14.1789 by changing the saturation by 10% instead.

■ 29.2586, 48.7913,
14.1789

■ 29.2586, 48.7913,
14.1789

290.4054,
381.9201, 229.8080

■ 19.4218, 34.4540,
8.1050

■ 57.8824, 88.3814,
34.1278

■ 12.0813, 23.2426,
4.0735

■ 77.4001, 114.4030,
48.8399

■ 6.8716, 14.7727,
1.6657

■ 100.8756,
145.0880, 67.2685

■ 3.4276, 8.6600,
0.3371

■ 128.6740,
180.8210, 89.8322

■ 1.3837, 4.5201,
0.0000

■ 161.1609,
221.9864, 116.9494

■ 0.2446, 1.9685,
0.0000

198.7015,

■ 0.0000, 0.5891,

268.9684, 149.0388

0.0000

241.6612,
322.1515, 186.5188

■ 0.0000, 0.0000,
0.0000

■ 29.2586, 48.7913,
14.1789

■ 29.2586, 48.7913,
14.1789

■ 27.0129, 47.7021,
11.0448

■ 32.1204, 50.1741,
18.5589

■ 25.3319, 46.8785,
9.0238

■ 35.6373, 51.8639,
24.2934

■ 24.1608, 46.2972,
7.9587

■ 39.8492, 53.8804,
31.4826

■ 23.7355, 46.0844,
7.6442

■ 44.7915, 56.2401,
40.2168

■ 50.4972, 58.9580,
50.5786

■ 56.9974, 62.0487,
62.6449

■ 64.3213, 65.5255,
76.4876

■ 72.4967, 69.4013,
92.1746

■ 80.5506, 73.2886,
104.5084

Harmonies

Analogous

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



39.5070, 48.7913, 7.1998



29.2586, 48.7913, 14.1789



24.2382, 48.7913, 34.9183

Triad

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



29.2586, 48.7913, 14.1789



39.4830, 48.7913, 174.4003



79.0460, 48.7913, 34.9763

Complementary

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



29.2586, 48.7913, 14.1789



33.1853, 19.3154, 62.3034

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.



79.0358, 48.7913, 76.7641



29.2586, 48.7913, 14.1789



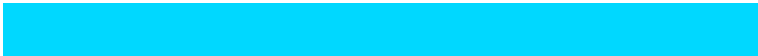
53.9954, 48.7913, 174.4456

Square

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



29.2586, 48.7913, 14.1789



29.2442, 48.7913, 132.4019



69.1268, 48.7913, 132.5050



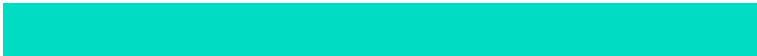
69.1524, 48.7913, 14.2022

Rectangle

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



29.2586, 48.7913, 14.1789



23.6891, 48.7913, 60.3867



69.1268, 48.7913, 132.5050



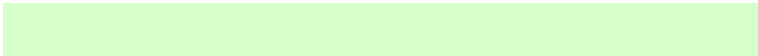
80.2588, 48.7913, 46.4709

Sweetspot

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



29.2598, 48.7934, 14.1800



74.4267, 90.1944, 70.6133



44.1862, 47.4127, 13.1268



15.3977, 19.0515, 14.1506



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.



29.2598, 48.7934, 14.1800



41.2562, 74.2707, 15.9155



28.5756, 48.2300, 23.6645



11.8723, 13.3176, 12.5569



14.6984, 28.4463, 4.7160



0.8874, 1.6243, 0.2668

Inverse Universe

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



33.1853, 19.3154, 62.3034



47.6458, 24.5837, 96.8417



35.7654, 21.1563, 39.3441



12.0713, 11.8856, 14.9016



17.0702, 7.9803, 37.8331



1.0144, 0.4771, 2.1182

Previews

White Background



This preview shows how the XYZ color 29.2586, 48.7913, 14.1789 looks on a white background.

Color Contrast Check

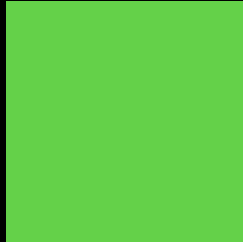
Large Text (above 18pt) WCAG AA × Fail

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 29.2586, 48.7913, 14.1789 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 29.2586, 48.7913, 14.1789

Background



This preview shows how black text looks on a background with the XYZ color 29.2586, 48.7913, 14.1789.



This preview shows how white text looks on a background with the XYZ color 29.2586, 48.7913,

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

29.2586, 48.7913, 14.1789

Protanopia

43.7859, 48.2131, 12.1525

Deuteranopia

48.9251, 47.7940, 15.0340



Tritanopia

40.2502, 48.6950, 68.9057

Trichromacy



Original Color

29.2586, 48.7913, 14.1789



Protanomaly

36.3023, 47.2287, 12.8329



Deuteranomaly

38.2743, 45.9436, 14.4401



Tritanomaly

34.6558, 48.1284, 41.1814

Monochromacy



Original Color

29.2586, 48.7913, 14.1789



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.5303, 38.9147, 26.6711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2586, 48.7913, 14.1789 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(100, 209, 73)` looks like.

```
.text, #text, p{  
    color:rgb(100, 209, 73)  
}
```

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(100, 209, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 209, 73) }
```

Border

The CSS property to change the border of an element to XYZ 29.2586, 48.7913, 14.1789 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(100, 209, 73) }
```


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

```
.border{ border-color:rgb(100, 209, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 209, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 209, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 209, 73);  
box-shadow:4px 4px 4px 4px rgb(100, 209,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2586, 48.7913, 14.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 209, 73) }
```

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

```
.background{ background-color: rgb(100,  
209, 73) }
```

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