

Converting Colors

XYZ(28.9915, 47.8619, 9.8365)

Have a look what the booklet for
XYZ(28.9915, 47.8619, 9.8365)
contains.

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Color

**XYZ(29.1435, 48.1007,
9.8462)**

Conversions

Conversions Part 1

Format	Color
Hex	6ECF29
RGB	110, 207, 41
RGB Percent	43%, 81%, 16%
CMY	0.5686, 0.1882, 0.8392
CMYK	0.47, 0.00, 0.80, 0.19
HSL	95°, 67%, 49%
HSV	95°, 80%, 81%
XYZ	29.1435, 48.1007, 9.8462
YIQ	159.0730, -4.5260, -72.1900

Conversions

Conversions Part 2

Format	Color
RYB	41, 207, 138
Decimal	7261993
CIELab	74.89, -54.60, 66.93
CIELCh	75, 86.378, 129.205
Yxy	48.1007, 0.3346, 0.5523
Android (android.graphics.Color)	4285452073 (0xFF6ECF29)
YUV	159.0730, -58.2100, -43.0370
Hunter-Lab	69.3547, -46.3632, 40.1309

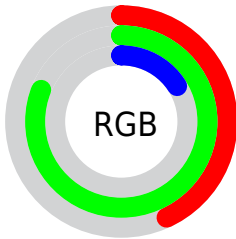
Details

The XYZ color **29.1435, 48.1007, 9.8462** 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 **22.5394, 11.4959, 60.0650**, and the grayscale version is **33.2491, 34.9806, 38.0939**.

A 20% lighter version of the original color is **54.4711, 80.8946, 25.0552**, and **12.3549, 23.0373, 3.7955** is the 20% darker color. If you saturate the color by 10%, you get **27.4694, 47.2705, 8.3526**, and if you desaturate by 10%, it is **31.2151, 49.1169, 12.3509**.

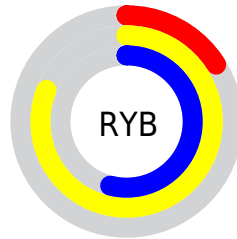
Distribution



Red (43%)

Green (81%)

Blue (16%)



Red (16%)

Yellow (81%)

Blue (54%)

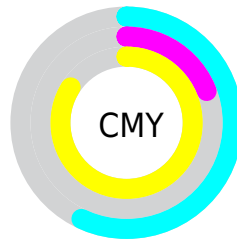


Cyan (47%)

Magenta (0%)

Yellow (80%)

Black (19%)



Cyan (57%)


Magenta (19%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1435, 48.1007, 9.8462 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 29.1435, 48.1007, 9.8462 by changing the saturation by 10% instead.


 29.1435, 48.1007,
9.8462


 29.1435, 48.1007,
9.8462


289.8734,
379.1911, 200.0156

 19.3342, 33.9066,
5.1928

 57.7010, 87.3543,
26.1091

 12.0175, 22.8219,
2.3001


 77.1799, 113.1827,
38.5557


 6.8279, 14.4620,
0.7313

 100.6128,
143.6579, 54.4371

 3.4000, 8.4427,
0.0000

 128.3649,
179.1644, 74.1719

 1.3687, 4.3795,
0.0000

 160.8017,
220.0866, 98.1786

 0.2337, 1.8880,
0.0000

 198.2885,

 0.0000, 0.5412,

266.8088, 126.8758

0.0000

241.1906,
319.7156, 160.6819

■ 0.0000, 0.0000,
0.0000

■ 29.1435, 48.1007,
9.8462

■ 29.1435, 48.1007,
9.8462

■ 27.4694, 47.2705,
8.3526

■ 31.2151, 49.1169,
12.3509

■ 26.1549, 46.6077,
7.6177

■ 33.7148, 50.3273,
16.0017

■ 36.6733, 51.7467,
20.9160

■ 40.1168, 53.3865,
27.1960

■ 44.0694, 55.2570,
34.9334

■ 48.5534, 57.3679,
44.2120

■ 53.5898, 59.7282,
55.1090

■ 59.1980, 62.3466,
67.6968

■ 65.3968, 65.2310,
82.0430

Harmonies

Analogous

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



41.0495, 48.1007, 4.9621



29.1435, 48.1007, 9.8462



22.8743, 48.1007, 27.2500

Triad

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



29.1435, 48.1007, 9.8462



35.8004, 48.1007, 182.2279



82.5382, 48.1007, 39.7052

Complementary

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



29.1435, 48.1007, 9.8462



22.5394, 11.4959, 60.0650

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.



80.2168, 48.1007, 89.5318



29.1435, 48.1007, 9.8462



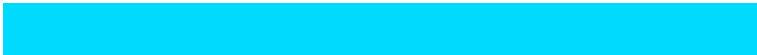
50.7283, 48.1007, 192.8212

Square

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



29.1435, 48.1007, 9.8462



26.0605, 48.1007, 128.4068



67.6211, 48.1007, 152.2322



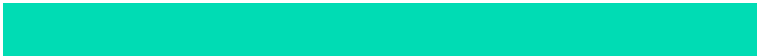
73.3834, 48.1007, 14.4881

Rectangle

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



29.1435, 48.1007, 9.8462



21.6568, 48.1007, 51.1805



67.6211, 48.1007, 152.2322



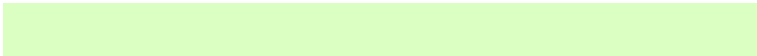
83.1126, 48.1007, 53.5848

Sweetspot

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



29.1446, 48.1028, 9.8473



74.7597, 90.5028, 64.4498



35.1990, 31.5570, 6.3345



15.4531, 19.1130, 12.6651



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.



29.1446, 48.1028, 9.8473



42.4910, 74.9835, 12.5267



23.9144, 45.3735, 11.0921



12.1152, 13.4428, 12.5682



16.5802, 29.4164, 4.8041



1.0164, 1.6909, 0.2728

Inverse Universe

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



22.5394, 11.4959, 60.0650



31.3458, 14.2386, 95.7040



36.1712, 18.7103, 52.2572



11.8161, 11.7540, 14.8896



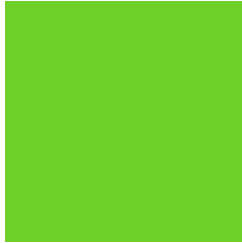
12.1708, 5.4546, 37.6039



0.7697, 0.3510, 2.1067

Previews

White Background



This preview shows how the XYZ color 29.1435, 48.1007, 9.8462 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 29.1435, 48.1007, 9.8462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

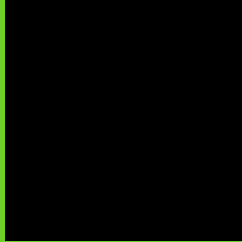
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1435, 48.1007, 9.8462

Background



This preview shows how black text looks on a background with the XYZ color 29.1435, 48.1007, 9.8462.



This preview shows how white text looks on a background with the XYZ color 29.1435, 48.1007,

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

29.1435, 48.1007, 9.8462

Protanopia

42.8975, 47.5241, 8.5022

Deuteranopia

48.1877, 47.2255, 10.4466



Tritanopia

40.6085, 47.9282, 66.7853

Trichromacy



Original Color

29.1435, 48.1007, 9.8462



Protanomaly

35.9782, 46.4908, 8.8276



Deuteranomaly

38.4061, 45.7959, 9.9472



Tritanomaly

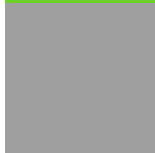
34.2129, 47.0068, 34.8738

Monochromacy



Original Color

29.1435, 48.1007, 9.8462



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.6622, 37.9743, 22.2894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1435, 48.1007, 9.8462 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(110, 207, 41)` looks like.

```
.text, #text, p{  
    color:rgb(110, 207, 41)  
}
```

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(110, 207, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 207, 41) }
```

Border

The CSS property to change the border of an element to XYZ 29.1435, 48.1007, 9.8462 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(110, 207, 41) }
```


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

```
.border{ border-color:rgb(110, 207, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 207, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 207, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 207, 41);  
box-shadow:4px 4px 4px 4px rgb(110, 207,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1435, 48.1007, 9.8462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 207, 41) }
```

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

```
.background{ background-color: rgb(110,  
207, 41) }
```

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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