

Converting Colors

XYZ(29.9905, 48.6304, 9.9447)

Have a look what the booklet for
XYZ(29.9905, 48.6304, 9.9447)
contains.

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Color

**XYZ(29.9155, 48.4987,
9.8823)**

Conversions

Conversions Part 1

Format	Color
Hex	74CF29
RGB	116, 207, 41
RGB Percent	45%, 81%, 16%
CMY	0.5451, 0.1882, 0.8392
CMYK	0.44, 0.00, 0.80, 0.19
HSL	93°, 67%, 49%
HSV	93°, 80%, 81%
XYZ	29.9155, 48.4987, 9.8823
YIQ	160.8670, -0.9500, -70.9180

Conversions

Conversions Part 2

Format	Color
RYB	41, 207, 132
Decimal	7655209
CIELab	75.14, -52.73, 67.26
CIElCh	75, 85.459, 128.095
Yxy	48.4987, 0.3388, 0.5493
Android (android.graphics.Color)	4285845289 (0xFF74CF29)
YUV	160.8670, -59.0944, -39.3484
Hunter-Lab	69.6410, -45.1940, 40.3352

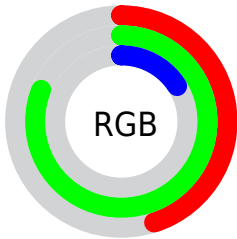
Details

The XYZ color **29.9155, 48.4987, 9.8823** 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 **21.5738, 10.9981, 60.0199**, and the grayscale version is **34.0821, 35.8570, 39.0483**.

A 20% lighter version of the original color is **55.7882, 81.5735, 25.1168**, and **12.7496, 23.2407, 3.8139** is the 20% darker color. If you saturate the color by 10%, you get **28.2276, 47.6614, 8.3881**, and if you desaturate by 10%, it is **31.9797, 49.5111, 12.3867**.

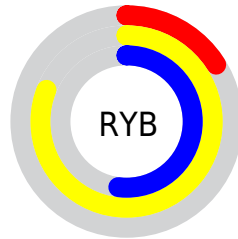
Distribution



Red (45%)

Green (81%)

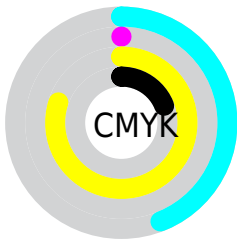
Blue (16%)



Red (16%)

Yellow (81%)

Blue (52%)

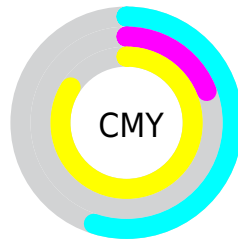


Cyan (44%)

Magenta (0%)

Yellow (80%)

Black (19%)



Cyan (55%)


Magenta (19%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9155, 48.4987, 9.8823 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 29.9155, 48.4987, 9.8823 by changing the saturation by 10% instead.


 29.9155, 48.4987,
9.8823


 29.9155, 48.4987,
9.8823


293.4273,
380.7655, 200.2842


 19.9222, 34.2220,
5.2164


 58.9161, 87.9465,
26.1782

 12.4464, 23.0642,
2.3138


 78.6541, 113.8863,
38.6453


 7.1228, 14.6409,
0.7390


 102.3710,
144.4826, 54.5499

 3.5861, 8.5678,
0.0000

 130.4322,
180.1198, 74.3106

 1.4707, 4.4603,
0.0000

 163.2031,
221.1823, 98.3458

 0.3058, 1.9343,
0.0000

 201.0490,

 0.0000, 0.5689,

268.0545, 127.0741

0.0000

244.3353,
321.1207, 160.9140

■ 0.0000, 0.0000,
0.0000

■ 29.9155, 48.4987,
9.8823

■ 29.9155, 48.4987,
9.8823

■ 28.2276, 47.6614,
8.3881

■ 31.9797, 49.5111,
12.3867

■ 26.8806, 46.9819,
7.6517

■ 34.4494, 50.7060,
16.0360

■ 37.3536, 52.0975,
20.9478

■ 40.7174, 53.6962,
27.2241

■ 44.5637, 55.5119,
34.9565

■ 48.9136, 57.5536,
44.2287

■ 53.7868, 59.8298,
55.1181

■ 59.2020, 62.3486,
67.6968

■ 65.1765, 65.1175,
82.0325

Harmonies

Analogous

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



41.9887, 48.4987, 5.1926



29.9155, 48.4987, 9.8823



23.4392, 48.4987, 26.7446

Triad

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



29.9155, 48.4987, 9.8823



35.7594, 48.4987, 179.8649



82.7560, 48.4987, 41.5799

Complementary

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



29.9155, 48.4987, 9.8823



21.5738, 10.9981, 60.0199

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.



80.0212, 48.4987, 91.9124



29.9155, 48.4987, 9.8823



50.4639, 48.4987, 192.2780

Square

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



29.9155, 48.4987, 9.8823



26.2429, 48.4987, 125.7947



67.2599, 48.4987, 153.7740



74.0569, 48.4987, 15.4915

Rectangle

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



29.9155, 48.4987, 9.8823



22.0928, 48.4987, 49.9942



67.2599, 48.4987, 153.7740



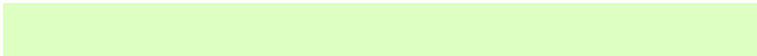
83.1749, 48.4987, 55.7230

Sweetspot

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



29.9166, 48.5008, 9.8834



75.4306, 90.8487, 64.4812



34.0551, 29.2691, 5.9531



15.6130, 19.1954, 12.6726



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.



29.9166, 48.5008, 9.8834



43.6720, 75.5924, 12.5819



23.7325, 45.3008, 10.1341



12.1563, 13.4640, 12.5701



17.0412, 29.6540, 4.8256



1.0436, 1.7049, 0.2741

Inverse Universe

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



21.5738, 10.9981, 60.0199



29.7336, 13.4074, 95.6285



37.1246, 19.0917, 57.2776



11.7743, 11.7325, 14.8877



11.5363, 5.1275, 37.5742



0.7358, 0.3335, 2.1052

Previews

White Background



This preview shows how the XYZ color 29.9155, 48.4987, 9.8823 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 29.9155, 48.4987, 9.8823 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 29.9155, 48.4987, 9.8823

Background



This preview shows how black text looks on a background with the XYZ color 29.9155, 48.4987, 9.8823.



This preview shows how white text looks on a background with the XYZ color 29.9155, 48.4987,

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

29.9155, 48.4987, 9.8823

Protanopia

43.1760, 47.6677, 8.5153

Deuteranopia

48.7016, 47.7783, 10.5262



Tritanopia

41.2703, 48.2694, 66.8163

Trichromacy



Original Color

29.9155, 48.4987, 9.8823

Protanomaly

36.6391, 46.8315, 8.8586

Deuteranomaly

39.3541, 46.5985, 10.0522

Tritanomaly

34.8206, 47.3200, 34.9022

Monochromacy



Original Color

29.9155, 48.4987, 9.8823

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

30.8083, 39.1449, 22.7616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9155, 48.4987, 9.8823 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(116, 207, 41)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 207, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 207, 41) }
```

Border

The CSS property to change the border of an element to XYZ 29.9155, 48.4987, 9.8823 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(116, 207, 41) }
```


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

```
.border{ border-color:rgb(116, 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(116, 207, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 207, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 207, 41);  
box-shadow:4px 4px 4px 4px rgb(116, 207,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9155, 48.4987, 9.8823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 207, 41) }
```

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

```
.background{ background-color: rgb(116,  
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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