

Converting Colors

XYZ(29.5019, 36.7009, 12.0494)

Have a look what the booklet for
XYZ(29.5019, 36.7009, 12.0494)
contains.

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Color

**XYZ(29.5092, 36.6882,
12.0048)**

Conversions

Conversions Part 1

Format	Color
Hex	9CAB4A
RGB	156, 171, 74
RGB Percent	61%, 67%, 29%
CMY	0.3882, 0.3294, 0.7098
CMYK	0.09, 0.00, 0.57, 0.33
HSL	69°, 40%, 48%
HSV	69°, 57%, 67%
XYZ	29.5092, 36.6882, 12.0048
YIQ	155.4570, 22.1970, -33.3470

Conversions

Conversions Part 2

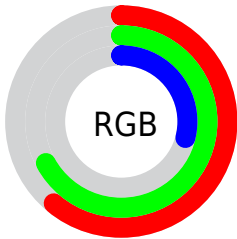
Format	Color
RYB	74, 171, 89
Decimal	10267466
CIELab	67.04, -19.38, 47.27
CIELCh	67, 51.091, 112.287
Yxy	36.6882, 0.3773, 0.4691
Android (android.graphics.Color)	4288457546 (0xFF9CAB4A)
YUV	155.4570, -40.1583, 0.4762
Hunter-Lab	60.5708, -19.0363, 30.6486

Details

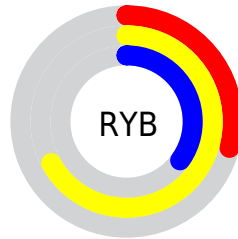
The XYZ color **29.5092, 36.6882, 12.0048** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.9207, 9.9626, 39.7197**, and the grayscale version is **31.5250, 33.1668, 36.1186**.

A 20% lighter version of the original color is **58.1136, 69.8961, 30.1671**, and **12.2117, 16.0726, 3.1682** is the 20% darker color. If you saturate the color by 10%, you get **28.5037, 36.2288, 9.3487**, and if you desaturate by 10%, it is **30.6843, 37.2193, 15.4877**.

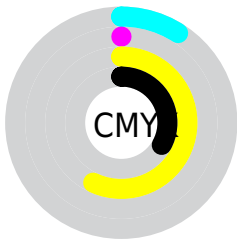
Distribution



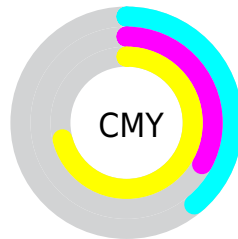
- Red (61%)
- Green (67%)
- Blue (29%)



- Red (29%)
- Yellow (67%)
- Blue (35%)



- Cyan (9%)
- Magenta (0%)
- Yellow (57%)
- Black (33%)



- Cyan (39%)
- Magenta (33%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5092, 36.6882, 12.0048 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 29.5092, 36.6882, 12.0048 by changing the saturation by 10% instead.

■ 29.5092, 36.6882,
12.0048

■ 29.5092, 36.6882,
12.0048

291.5610,
331.9586, 215.4161

■ 19.6126, 24.9662,
6.6244

■ 58.2771, 70.0930,
30.1684

■ 12.2204, 16.0519,
3.1535

■ 77.8791, 92.5445,
43.7886

■ 6.9672, 9.5609,
1.1735

■ 101.4469,
119.3413, 60.9925

■ 3.4877, 5.1088,
0.0000

■ 129.3460,
150.8678, 82.1986

■ 1.4166, 2.3112,
0.0000

■ 161.9415,
187.5084, 107.8255

■ 0.2680, 0.7796,
0.0000

199.5990,

■ 0.0000, 0.0000,

229.6475, 138.2917

0.0000

242.6837,
277.6694, 174.0157

■ 29.5092, 36.6882,
12.0048

■ 29.5092, 36.6882,
12.0048

■ 28.5037, 36.2288,
9.3487

■ 30.6843, 37.2193,
15.4877

■ 27.6519, 35.8309,
7.4485

■ 32.0378, 37.8218,
19.8560

■ 26.9397, 35.4901,
6.2254

■ 33.5814, 38.5016,
25.1657

■ 26.3453, 35.1976,
5.5661

■ 35.3246, 39.2626,
31.4674

■ 26.1620, 35.1067,
5.3974

■ 37.2764, 40.1084,
38.8082

■ 39.4453, 41.0423,
47.2321

■ 41.8392, 42.0675,
56.7807

■ 44.4657, 43.1871,
67.4933

■ 47.3319, 44.4040,
79.4073

Harmonies

Analogous

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



36.9138, 36.6882, 10.7887



29.5092, 36.6882, 12.0048



24.3422, 36.6882, 19.0825

Triad

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



29.5092, 36.6882, 12.0048



26.5113, 36.6882, 84.2256



51.8596, 36.6882, 45.9662

Complementary

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



29.5092, 36.6882, 12.0048



13.9207, 9.9626, 39.7197

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.



48.0675, 36.6882, 72.2322



29.5092, 36.6882, 12.0048



32.9051, 36.6882, 99.0759

Square

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



29.5092, 36.6882, 12.0048



22.7989, 36.6882, 58.4589



40.8459, 36.6882, 94.0201



50.5928, 36.6882, 25.8250

Rectangle

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



29.5092, 36.6882, 12.0048



22.4933, 36.6882, 28.2975



40.8459, 36.6882, 94.0201



51.1169, 36.6882, 54.4222

Sweetspot

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



29.5101, 36.6899, 12.0056



63.0710, 70.2306, 55.6536



21.5670, 16.2235, 8.4738



13.9249, 15.6007, 11.8967



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.5101, 36.6899, 12.0056



50.6428, 64.6934, 15.7778



21.9786, 32.8072, 11.6531



8.5392, 9.2665, 8.5519



19.7570, 26.4822, 4.0703



0.5818, 0.7533, 0.1147

Inverse Universe

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



13.9207, 9.9626, 39.7197



20.0673, 12.1684, 70.2930



20.1255, 13.1613, 40.0100



7.6900, 7.8145, 10.0557



5.9010, 2.4019, 29.1971



0.1986, 0.0846, 0.8138

Previews

White Background



This preview shows how the XYZ color 29.5092, 36.6882, 12.0048 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 29.5092, 36.6882, 12.0048 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 29.5092, 36.6882, 12.0048

Background



This preview shows how black text looks on a background with the XYZ color 29.5092, 36.6882, 12.0048.



This preview shows how white text looks on a background with the XYZ color 29.5092, 36.6882,

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

29.5092, 36.6882, 12.0048

Protanopia

33.3229, 36.4860, 11.4171

Deuteranopia

37.1839, 36.4103, 12.2758



Tritanopia

36.2240, 36.7224, 44.7141

Trichromacy



Original Color

29.5092, 36.6882, 12.0048

Protanomaly

31.8521, 36.5241, 11.6744

Deuteranomaly

34.0920, 36.3398, 12.2386

Tritanomaly

33.0747, 36.5029, 28.9695

Monochromacy



Original Color

29.5092, 36.6882, 12.0048

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.0283, 33.9647, 24.7118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5092, 36.6882, 12.0048 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(156, 171, 74)` looks like.

```
.text, #text, p{  
    color:rgb(156, 171, 74)  
}
```

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(156, 171, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 171, 74) }
```

Border

The CSS property to change the border of an element to XYZ 29.5092, 36.6882, 12.0048 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(156, 171, 74) }
```


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

```
.border{ border-color:rgb(156, 171, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 171, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 171, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 171, 74);  
box-shadow:4px 4px 4px 4px rgb(156, 171,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5092, 36.6882, 12.0048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 171, 74) }
```

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

```
.background{ background-color: rgb(156,  
171, 74) }
```

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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