

Converting Colors

XYZ(29.1234, 30.1829, 4.7967)

Have a look what the booklet for
XYZ(29.1234, 30.1829, 4.7967)
contains.

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Color

**XYZ(29.1948, 30.2985,
4.7997)**

Conversions

Conversions Part 1

Format	Color
Hex	B49210
RGB	180, 146, 16
RGB Percent	71%, 57%, 6%
CMY	0.2941, 0.4274, 0.9372
CMYK	0.00, 0.19, 0.91, 0.29
HSL	48°, 84%, 38%
HSV	48°, 91%, 71%
XYZ	29.1948, 30.2985, 4.7997
YIQ	141.3460, 61.9940, -33.2220

Conversions

Conversions Part 2

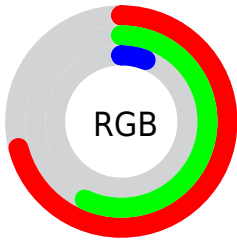
Format	Color
RYB	59, 180, 16
Decimal	11833872
CIELab	61.91, 1.54, 63.68
CIElCh	62, 63.697, 88.618
Yxy	30.2985, 0.4541, 0.4713
Android (android.graphics.Color)	4290023952 (0xFFB49210)
YUV	141.3460, -61.7956, 33.8996
Hunter-Lab	55.0441, -1.6526, 33.3609

Details

The XYZ color **29.1948, 30.2985, 4.7997** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.5927, 5.6870, 43.7717**, and the grayscale version is **25.6728, 27.0098, 29.4136**.

A 20% lighter version of the original color is **57.9646, 60.3839, 15.8079**, and **12.2089, 12.5033, 1.7699** is the 20% darker color. If you saturate the color by 10%, you get **28.5977, 29.2541, 4.1393**, and if you desaturate by 10%, it is **29.9754, 31.5474, 6.0235**.

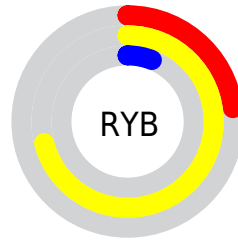
Distribution



Red (71%)

Green (57%)

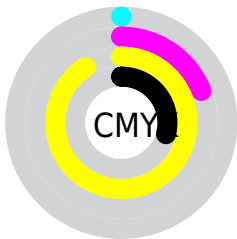
Blue (6%)



Red (23%)

Yellow (71%)

Blue (6%)

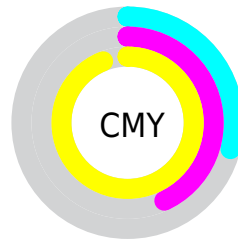


Cyan (0%)

Magenta (19%)

Yellow (91%)

Black (29%)



Cyan (29%)

Magenta (43%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1948, 30.2985, 4.7997 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 29.1948, 30.2985, 4.7997 by changing the saturation by 10% instead.

■ 29.1948, 30.2985,
4.7997

■ 29.1948, 30.2985,
4.7997

290.1106,
303.2934, 156.7377

■ 19.3733, 20.0653,
2.0735

■ 57.7819, 60.1339,
15.8157

■ 12.0459, 12.4425,
0.6000

■ 77.2781, 80.5049,
24.9427

■ 6.8474, 7.0458,
0.0000

■ 100.7299,
105.0239, 37.0403

■ 3.4123, 3.4908,
0.0000

■ 128.5027,
134.0754, 52.5272

■ 1.3754, 1.3930,
0.0000

■ 160.9618,
168.0436, 71.8218

■ 0.2386, 0.2116,
0.0000

■ 198.4726,

■ 0.0000, 0.0000,

207.3131, 95.3428

0.0000

241.4004,
252.2682, 123.5086

29.1948, 30.2985,
4.7997

29.1948, 30.2985,
4.7997

28.5977, 29.2541,
4.1393

29.9754, 31.5474,
6.0235

30.9102, 32.8871,
7.9686

32.0187, 34.3268,
10.7340

33.3167, 35.8733,
14.4027

34.8184, 37.5323,
19.0475

■ 36.5361, 39.3092,
24.7335

■ 38.4815, 41.2088,
31.5206

■ 40.6651, 43.2355,
39.4637

■ 43.0969, 45.3938,
48.6145

Harmonies

Analogous

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



38.2016, 30.2985, 6.9554



29.1948, 30.2985, 4.7997



21.6405, 30.2985, 6.5621

Triad

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



29.1948, 30.2985, 4.7997



16.6752, 30.2985, 60.9599



45.1750, 30.2985, 63.9596

Complementary

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



29.1948, 30.2985, 4.7997



9.5927, 5.6870, 43.7717

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.



37.3812, 30.2985, 93.7147



29.1948, 30.2985, 4.7997



21.0797, 30.2985, 91.4629

Square

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



29.1948, 30.2985, 4.7997



15.3259, 30.2985, 31.8711



28.4044, 30.2985, 105.6618



48.4824, 30.2985, 34.1347

Rectangle

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



29.1948, 30.2985, 4.7997



18.1694, 30.2985, 10.6746



28.4044, 30.2985, 105.6618



42.9259, 30.2985, 74.7559

Sweetspot

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



29.1955, 30.3000, 4.8003



67.4849, 72.5055, 49.0953



19.6172, 10.3179, 4.1524



14.3399, 15.4268, 9.7656



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.1955, 30.3000, 4.8003



51.6813, 52.6988, 7.4480



26.1723, 37.7099, 6.3899



9.0445, 9.6016, 9.0291



20.0088, 20.5162, 2.9054



0.6673, 0.7210, 0.1040

Inverse Universe

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



9.5927, 5.6870, 43.7717



16.0206, 8.1410, 79.0216



10.4400, 4.7056, 43.5376



8.1800, 8.5062, 10.7171



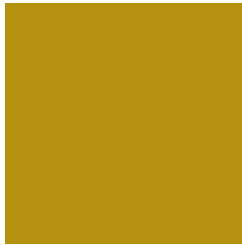
6.2587, 3.3177, 30.4475



0.2383, 0.1871, 0.9718

Previews

White Background



This preview shows how the XYZ color 29.1948, 30.2985, 4.7997 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 29.1948, 30.2985, 4.7997 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 29.1948, 30.2985, 4.7997

Background



This preview shows how black text looks on a background with the XYZ color 29.1948, 30.2985, 4.7997.



This preview shows how white text looks on a background with the XYZ color 29.1948, 30.2985,

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

29.1948, 30.2985, 4.7997

Protanopia

27.3777, 30.2914, 4.9761

Deuteranopia

30.7855, 30.2153, 4.8714



Tritanopia

34.7315, 30.3750, 31.2265

Trichromacy



Original Color

29.1948, 30.2985, 4.7997

Protanomaly

28.0822, 30.4196, 4.9218

Deuteranomaly

30.1897, 30.1310, 4.8408

Tritanomaly

31.6378, 29.9713, 15.9219

Monochromacy



Original Color

29.1948, 30.2985, 4.7997

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.4513, 27.4580, 15.0248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1948, 30.2985, 4.7997 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(180, 146, 16)` looks like.

```
.text, #text, p{  
    color:rgb(180, 146, 16)  
}
```

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(180, 146, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 146, 16) }
```

Border

The CSS property to change the border of an element to XYZ 29.1948, 30.2985, 4.7997 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(180, 146, 16) }
```


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

```
.border{ border-color:rgb(180, 146, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 146, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 146, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 146, 16);  
box-shadow:4px 4px 4px 4px rgb(180, 146,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1948, 30.2985, 4.7997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 146, 16) }
```

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

```
.background{ background-color: rgb(180,  
146, 16) }
```

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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