

Converting Colors

XYZ(29.4976, 29.9694, 11.9380)

Have a look what the booklet for
XYZ(29.4976, 29.9694, 11.9380)
contains.

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Color

**XYZ(29.5151, 30.0750,
12.0340)**

Conversions

Conversions Part 1

Format	Color
Hex	B09151
RGB	176, 145, 81
RGB Percent	69%, 57%, 32%
CMY	0.3098, 0.4314, 0.6823
CMYK	0.00, 0.18, 0.54, 0.31
HSL	40°, 38%, 50%
HSV	40°, 54%, 69%
XYZ	29.5151, 30.0750, 12.0340
YIQ	146.9730, 39.0200, -13.3320

Conversions

Conversions Part 2

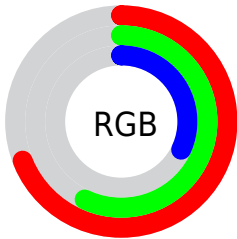
Format	Color
RYB	127, 176, 81
Decimal	11571537
CIELab	61.72, 3.59, 38.02
CIElCh	62, 38.188, 84.601
Yxy	30.0750, 0.4121, 0.4199
Android (android.graphics.Color)	4289761617 (0xFFB09151)
YUV	146.9730, -32.5247, 25.4567
Hunter-Lab	54.8407, 0.0970, 25.3781

Details

The XYZ color **29.5151, 30.0750, 12.0340** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.0237, 16.4716, 43.3562**, and the grayscale version is **27.8416, 29.2915, 31.8985**.

A 20% lighter version of the original color is **58.5200, 60.0052, 30.3276**, and **12.2519, 12.3592, 3.1787** is the 20% darker color. If you saturate the color by 10%, you get **28.0836, 28.1348, 8.7121**, and if you desaturate by 10%, it is **31.1635, 32.1752, 16.2727**.

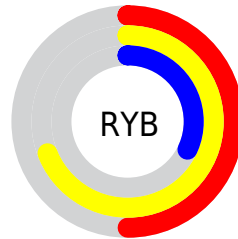
Distribution



Red (69%)

Green (57%)

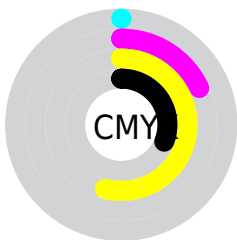
Blue (32%)



Red (50%)

Yellow (69%)

Blue (32%)

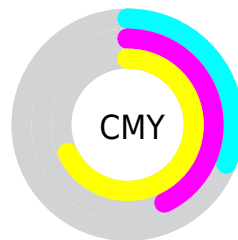


Cyan (0%)

Magenta (18%)

Yellow (54%)

Black (31%)



Cyan (31%)

Magenta (43%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5151, 30.0750, 12.0340 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 29.5151, 30.0750, 12.0340 by changing the saturation by 10% instead.

■ 29.5151, 30.0750,
12.0340

■ 29.5151, 30.0750,
12.0340

291.5882,
302.2539, 215.6161

■ 19.6171, 19.8955,
6.6440

■ 58.2864, 59.7808,
30.2223

■ 12.2236, 12.3191,
3.1654

■ 77.8904, 80.0758,
43.8578

■ 6.9695, 6.9614,
1.1797

■ 101.4604,
104.5116, 61.0788

■ 3.4892, 3.4380,
0.0000

■ 129.3618,
133.4724, 82.3039

■ 1.4174, 1.3644,
0.0000

■ 161.9599,
167.3426, 107.9516

■ 0.2686, 0.1903,
0.0000

199.6201,

■ 0.0000, 0.0000,

206.5067, 138.4406

0.0000

242.7077,
251.3490, 174.1892

■ 29.5151, 30.0750,
12.0340

■ 29.5151, 30.0750,
12.0340

■ 28.0836, 28.1348,
8.7121

■ 31.1635, 32.1752,
16.2727

■ 26.8526, 26.3436,
6.2339

■ 33.0393, 34.4373,
21.4903

■ 25.8067, 24.6953,
4.5178

■ 35.1549, 36.8682,
27.7452

■ 24.9264, 23.1811,
3.4653

■ 37.5209, 39.4732,
35.0910

■ 24.4509, 22.3231,
3.0201

■ 40.1473, 42.2573,
43.5774

■ 43.0437, 45.2253,
53.2511

■ 46.2188, 48.3815,
64.1561

■ 49.6811, 51.7303,
76.3343

■ 53.4388, 55.2757,
89.8254

Harmonies

Analogous

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



34.6303, 30.0750, 14.8161



29.5151, 30.0750, 12.0340



24.7059, 30.0750, 13.3172

Triad

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



29.5151, 30.0750, 12.0340



20.5864, 30.0750, 45.8390



37.3173, 30.0750, 51.7889

Complementary

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



29.5151, 30.0750, 12.0340



17.0237, 16.4716, 43.3562

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.



32.8512, 30.0750, 65.3680



29.5151, 30.0750, 12.0340



23.2883, 30.0750, 61.2800

Square

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



29.5151, 30.0750, 12.0340



19.9157, 30.0750, 30.1823



27.6754, 30.0750, 69.2754



39.4641, 30.0750, 35.4521

Rectangle

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



29.5151, 30.0750, 12.0340



22.2560, 30.0750, 16.5837



27.6754, 30.0750, 69.2754



36.0137, 30.0750, 56.9994

Sweetspot

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



29.5158, 30.0764, 12.0346



67.0209, 70.4747, 60.3941



23.8089, 16.3000, 17.4162



14.3352, 15.0659, 12.4962



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.5158, 30.0764, 12.0346



50.4220, 50.3026, 14.7044



31.5411, 39.1354, 13.6764



8.9587, 9.4299, 9.0005



17.9952, 16.4889, 2.2342



0.6166, 0.6196, 0.0871

Inverse Universe

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



17.0237, 16.4716, 43.3562



25.3983, 23.1043, 77.6162



15.6912, 11.5520, 42.4769



8.2609, 8.6680, 10.7440



6.8869, 4.5742, 30.6569



0.2712, 0.2530, 0.9828

Previews

White Background



This preview shows how the XYZ color 29.5151, 30.0750, 12.0340 looks on a white background.

Color Contrast Check

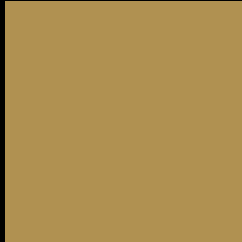
Large Text (above 18pt) WCAG AA × Fail

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 29.5151, 30.0750, 12.0340 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 29.5151, 30.0750, 12.0340

Background



This preview shows how black text looks on a background with the XYZ color 29.5151, 30.0750, 12.0340.



This preview shows how white text looks on a background with the XYZ color 29.5151, 30.0750,

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

29.5151, 30.0750, 12.0340

Protanopia

27.6186, 30.0119, 12.5208

Deuteranopia

30.7244, 30.0225, 12.1582



Tritanopia

33.5824, 29.9745, 32.0327

Trichromacy



Original Color

29.5151, 30.0750, 12.0340

Protanomaly

28.2613, 30.1138, 12.3057

Deuteranomaly

30.1678, 29.9574, 12.1750

Tritanomaly

31.8386, 29.9147, 23.1648

Monochromacy



Original Color

29.5151, 30.0750, 12.0340

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.9546, 29.2569, 22.9127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5151, 30.0750, 12.0340 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(176, 145, 81)` looks like.

```
.text, #text, p{  
    color:rgb(176, 145, 81)  
}
```

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(176, 145, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 145, 81) }
```

Border

The CSS property to change the border of an element to XYZ 29.5151, 30.0750, 12.0340 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(176, 145, 81) }
```


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

```
.border{ border-color:rgb(176, 145, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 145, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 145, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 145, 81);  
box-shadow:4px 4px 4px 4px rgb(176, 145,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5151, 30.0750, 12.0340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 145, 81) }
```

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

```
.background{ background-color: rgb(176,  
145, 81) }
```

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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