

Converting Colors

XYZ(29.5978, 30.3276, 12.8882)

Have a look what the booklet for XYZ(29.5978, 30.3276, 12.8882) contains.

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Color

**XYZ(29.5978, 30.3276,
12.8882)**

Conversions

Conversions Part 1

Format	Color
Hex	AF9255
RGB	175, 146, 85
RGB Percent	69%, 57%, 33%
CMY	0.3137, 0.4274, 0.6667
CMYK	0.00, 0.17, 0.51, 0.31
HSL	41°, 36%, 51%
HSV	41°, 51%, 69%
XYZ	29.5978, 30.3276, 12.8882
YIQ	147.7170, 36.8650, -12.8230

Conversions

Conversions Part 2

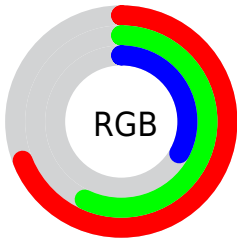
Format	Color
RYB	128, 175, 85
Decimal	11506261
CIELab	61.94, 2.97, 36.17
CIELCh	62, 36.295, 85.300
Yxy	30.3276, 0.4065, 0.4165
Android (android.graphics.Color)	4289696341 (0xFFAF9255)
YUV	147.7170, -30.9195, 23.9272
Hunter-Lab	55.0705, -0.4380, 24.6737

Details

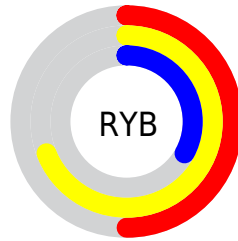
The XYZ color **29.5978, 30.3276, 12.8882** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.5013, 17.0605, 42.9280**, and the grayscale version is **28.1450, 29.6107, 32.2461**.

A 20% lighter version of the original color is **58.3769, 60.2419, 31.8436**, and **12.2625, 12.4924, 3.5152** is the 20% darker color. If you saturate the color by 10%, you get **28.1391, 28.3887, 9.3860**, and if you desaturate by 10%, it is **31.2727, 32.4239, 17.3115**.

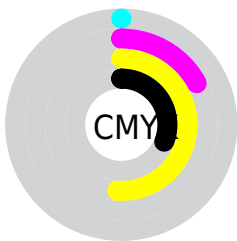
Distribution



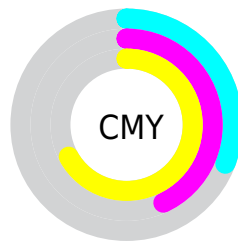
- Red (69%)
- Green (57%)
- Blue (33%)



- Red (50%)
- Yellow (69%)
- Blue (33%)



- Cyan (0%)
- Magenta (17%)
- Yellow (51%)
- Black (31%)



- Cyan (31%)
- Magenta (43%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5978, 30.3276, 12.8882 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 29.5978, 30.3276, 12.8882 by changing the saturation by 10% instead.

■ 29.5978, 30.3276,
12.8882

■ 29.5978, 30.3276,
12.8882

291.9688,
303.4285, 221.3825

■ 19.6801, 20.0874,
7.2218

■ 58.4165, 60.1799,
31.7910

■ 12.2696, 12.4586,
3.5206

■ 78.0483, 80.5607,
45.8645

■ 7.0011, 7.0568,
1.3662

■ 101.6487,
105.0906, 63.5774

■ 3.5091, 3.4976,
0.1152

■ 129.5832,
134.1538, 85.3483

■ 1.4284, 1.3967,
0.0000

■ 162.2171,
168.1348, 111.5957

■ 0.2763, 0.2143,
0.0000

199.9157,

■ 0.0000, 0.0000,

207.4180, 142.7382

0.0000

243.0445,
252.3878, 179.1943

■ 29.5978, 30.3276,
12.8882

■ 29.5978, 30.3276,
12.8882

■ 28.1391, 28.3887,
9.3860

■ 31.2727, 32.4239,
17.3115

■ 26.8811, 26.5965,
6.7347

■ 33.1740, 34.6791,
22.7152

■ 25.8089, 24.9453,
4.8572

■ 35.3134, 37.1001,
29.1559

■ 24.9046, 23.4268,
3.6612

■ 37.7014, 39.6919,
36.6854

■ 24.2307, 22.2171,
3.0112

■ 40.3476, 42.4594,
45.3518

■ 43.2612, 45.4069,
55.2006

■ 46.4508, 48.5390,
66.2744

■ 49.9247, 51.8596,
78.6141

■ 53.6906, 55.3729,
92.2583

Harmonies

Analogous

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



34.4782, 30.3276, 15.5461



29.5978, 30.3276, 12.8882



25.0141, 30.3276, 14.2567

Triad

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



29.5978, 30.3276, 12.8882



21.1767, 30.3276, 45.8279



37.2095, 30.3276, 50.7168

Complementary

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



29.5978, 30.3276, 12.8882



17.5013, 17.0605, 42.9280

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.



33.0056, 30.3276, 63.6017



29.5978, 30.3276, 12.8882



23.8270, 30.3276, 60.2678

Square

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



29.5978, 30.3276, 12.8882



20.4804, 30.3276, 30.8773



28.0667, 30.3276, 67.5133



39.1760, 30.3276, 35.2629

Rectangle

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



29.5978, 30.3276, 12.8882



22.6813, 30.3276, 17.5495



28.0667, 30.3276, 67.5133



35.9897, 30.3276, 55.6456

Sweetspot

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



29.5985, 30.3290, 12.8888



65.8294, 69.2715, 60.2992



24.0224, 16.8491, 18.2061



14.4347, 15.1830, 12.7819



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.



29.5985, 30.3290, 12.8888



50.0018, 50.2977, 15.9281



31.4670, 38.7894, 14.4234



8.4418, 8.8885, 8.4841



17.4099, 16.0253, 2.1756



0.5310, 0.5391, 0.0761

Inverse Universe

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



17.5013, 17.0605, 42.9280



25.9118, 23.9205, 75.8883



16.2422, 12.3019, 42.0758



7.7817, 8.1628, 10.1181



6.6177, 4.3692, 29.5391



0.2344, 0.2222, 0.8385

Previews

White Background



This preview shows how the XYZ color 29.5978, 30.3276, 12.8882 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 29.5978, 30.3276, 12.8882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

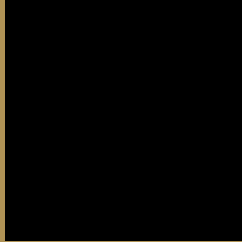
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5978, 30.3276, 12.8882

Background



This preview shows how black text looks on a background with the XYZ color 29.5978, 30.3276, 12.8882.



This preview shows how white text looks on a background with the XYZ color 29.5978, 30.3276,

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

29.5978, 30.3276, 12.8882

Protanopia

27.8959, 30.3771, 13.1972

Deuteranopia

31.0306, 30.3841, 13.0333



Tritanopia

33.5693, 30.1706, 32.4880

Trichromacy



Original Color

29.5978, 30.3276, 12.8882

Protanomaly

28.5756, 30.4916, 13.1835

Deuteranomaly

30.4754, 30.3217, 13.0505

Tritanomaly

31.8812, 30.1398, 23.8759

Monochromacy



Original Color

29.5978, 30.3276, 12.8882

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.2359, 29.6172, 23.6305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5978, 30.3276, 12.8882 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(175, 146, 85)` looks like.

```
.text, #text, p{  
    color:rgb(175, 146, 85)  
}
```

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(175, 146, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 146, 85) }
```

Border

The CSS property to change the border of an element to XYZ 29.5978, 30.3276, 12.8882 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(175, 146, 85) }
```


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

```
.border{ border-color:rgb(175, 146, 85) }
```

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

Here you see how a box with a 4 pixel rgb(175, 146, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 146, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 146, 85);  
box-shadow:4px 4px 4px 4px rgb(175, 146,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5978, 30.3276, 12.8882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 146, 85) }
```

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

```
.background{ background-color: rgb(175,  
146, 85) }
```

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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