

Converting Colors

XYZ(27.9292, 28.3359, 12.3606)

Have a look what the booklet for
XYZ(27.9292, 28.3359, 12.3606)
contains.

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Color

**XYZ(27.9197, 28.3478,
12.3876)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8D54
RGB	171, 141, 84
RGB Percent	67%, 55%, 33%
CMY	0.3294, 0.4470, 0.6706
CMYK	0.00, 0.18, 0.51, 0.33
HSL	39°, 34%, 50%
HSV	39°, 51%, 67%
XYZ	27.9197, 28.3478, 12.3876
YIQ	143.4720, 36.1770, -11.3670

Conversions

Conversions Part 2

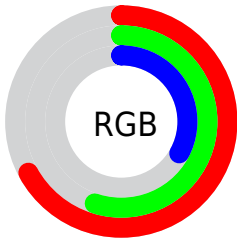
Format	Color
R_{YB}	130, 171, 84
Decimal	11242836
CIE _{Lab}	60.20, 3.92, 34.47
CIE _{LCh}	60, 34.693, 83.514
Yxy	28.3478, 0.4067, 0.4129
Android (android.graphics.Color)	4289432916 (0xFFAB8D54)
YUV	143.4720, -29.3197, 24.1421
Hunter-Lab	53.2427, 0.4283, 23.4753

Details

The XYZ color **27.9197, 28.3478, 12.3876** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.0239, 16.8590, 40.8848**, and the grayscale version is **26.4015, 27.7764, 30.2485**.

A 20% lighter version of the original color is **55.6599, 56.8268, 30.9568**, and **11.2775, 11.3287, 3.3425** is the 20% darker color. If you saturate the color by 10%, you get **26.4839, 26.4203, 8.9985**, and if you desaturate by 10%, it is **29.5667, 30.4359, 16.6544**.

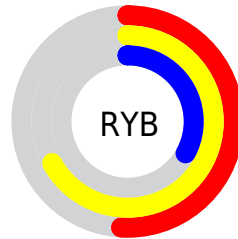
Distribution



Red (67%)

Green (55%)

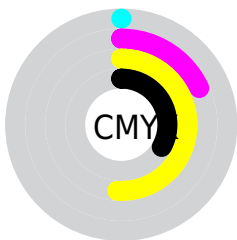
Blue (33%)



Red (51%)

Yellow (67%)

Blue (33%)

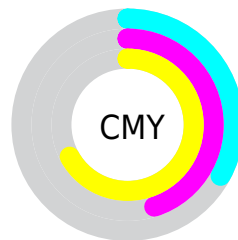


Cyan (0%)

Magenta (18%)

Yellow (51%)

Black (33%)



Cyan (33%)

Magenta (45%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9197, 28.3478, 12.3876 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 27.9197, 28.3478, 12.3876 by changing the saturation by 10% instead.

■ 27.9197, 28.3478,
12.3876

■ 27.9197, 28.3478,
12.3876

284.1701,
294.1251, 218.0229

■ 18.4053, 18.5880,
6.8825

■ 55.7658, 57.0392,
30.8740

■ 11.3428, 11.3730,
3.3114

■ 74.8281, 76.7397,
44.6923

■ 6.3669, 6.3183,
1.2557

■ 97.8038, 100.5224,
62.1189

■ 3.1122, 3.0396,
0.0251

■ 125.0582,
128.7719, 83.5721

■ 1.2134, 1.1524,
0.0000

■ 156.9567,
161.8726, 109.4706

■ 0.1169, 0.0223,
0.0000

193.8646,

■ 0.0000, 0.0000,

200.2087, 140.2328

0.0000

236.1473,
244.1648, 176.2774

■ 27.9197, 28.3478,
12.3876

■ 27.9197, 28.3478,
12.3876

■ 26.4839, 26.4203,
8.9985

■ 29.5667, 30.4359,
16.6544

■ 25.2444, 24.6432,
6.4213

■ 31.4344, 32.6865,
21.8547

■ 24.1873, 23.0109,
4.5838

■ 33.5341, 35.1061,
28.0418

■ 23.2957, 21.5153,
3.3998

■ 35.8758, 37.6997,
35.2643

■ 22.5934, 20.2557,
2.7189

■ 38.4686, 40.4723,
43.5678

■ 41.3212, 43.4281,
52.9948

■ 44.4420, 46.5716,
63.5859

■ 47.8388, 49.9070,
75.3795

■ 51.5191, 53.4380,
88.4121

Harmonies

Analogous

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



32.3461, 28.3478, 15.0851



27.9197, 28.3478, 12.3876



23.6789, 28.3478, 13.4354

Triad

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



27.9197, 28.3478, 12.3876



19.8486, 28.3478, 41.6855



34.4077, 28.3478, 47.8080

Complementary

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



27.9197, 28.3478, 12.3876



17.0239, 16.8590, 40.8848

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.



30.4957, 28.3478, 59.1545



27.9197, 28.3478, 12.3876



22.1791, 28.3478, 54.9945

Square

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



27.9197, 28.3478, 12.3876



19.3197, 28.3478, 28.1855



25.9908, 28.3478, 62.0932



36.3484, 28.3478, 33.7111

Rectangle

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



27.9197, 28.3478, 12.3876



21.4823, 28.3478, 16.3124



25.9908, 28.3478, 62.0932



33.2602, 28.3478, 52.2110

Sweetspot

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



27.9204, 28.3491, 12.3882



62.3569, 65.4409, 57.2460



23.0280, 16.2240, 17.9723



13.7152, 14.3821, 12.1793



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.



27.9204, 28.3491, 12.3882



47.1464, 46.9209, 15.4864



30.2539, 37.0299, 13.9407



8.4267, 8.8582, 8.4790



17.0826, 15.3708, 2.0665



0.5236, 0.5243, 0.0736

Inverse Universe

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



17.0239, 16.8590, 40.8848



25.4628, 24.0935, 72.3104



15.4563, 11.8253, 39.9958



7.7963, 8.1919, 10.1230



6.7636, 4.6611, 29.5877



0.2400, 0.2334, 0.8404

Previews

White Background



This preview shows how the XYZ color 27.9197, 28.3478, 12.3876 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9197, 28.3478, 12.3876 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 × Fail

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

XYZ 27.9197, 28.3478, 12.3876

Background



This preview shows how black text looks on a background with the XYZ color 27.9197, 28.3478, 12.3876.



This preview shows how white text looks on a background with the XYZ color 27.9197, 28.3478,

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

27.9197, 28.3478, 12.3876

Protanopia

26.1032, 28.2936, 12.8895

Deuteranopia

29.0038, 28.4682, 12.5606



Tritanopia

31.6906, 28.4109, 30.1991

Trichromacy



Original Color

27.9197, 28.3478, 12.3876

Protanomaly

26.7172, 28.3889, 12.6658

Deuteranomaly

28.6970, 28.5260, 12.5879

Tritanomaly

30.1377, 28.4104, 22.3077

Monochromacy



Original Color

27.9197, 28.3478, 12.3876

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.3227, 27.5234, 22.3376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9197, 28.3478, 12.3876 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(171, 141, 84)` looks like.

```
.text, #text, p{  
    color:rgb(171, 141, 84)  
}
```

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(171, 141, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 141, 84) }
```

Border

The CSS property to change the border of an element to XYZ 27.9197, 28.3478, 12.3876 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(171, 141, 84) }
```


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

```
.border{ border-color:rgb(171, 141, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 141, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 141, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 141, 84);  
box-shadow:4px 4px 4px 4px rgb(171, 141,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9197, 28.3478, 12.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 141, 84) }
```

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

```
.background{ background-color: rgb(171,  
141, 84) }
```

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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