

Converting Colors

XYZ(29.2658, 28.9044, 12.4810)

Have a look what the booklet for
XYZ(29.2658, 28.9044, 12.4810)
contains.

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Color

**XYZ(29.1098, 28.7434,
12.4013)**

Conversions

Conversions Part 1

Format	Color
Hex	B18C54
RGB	177, 140, 84
RGB Percent	69%, 55%, 33%
CMY	0.3059, 0.4510, 0.6706
CMYK	0.00, 0.21, 0.53, 0.31
HSL	36°, 37%, 51%
HSV	36°, 53%, 69%
XYZ	29.1098, 28.7434, 12.4013
YIQ	144.6790, 40.0280, -9.5720

Conversions

Conversions Part 2

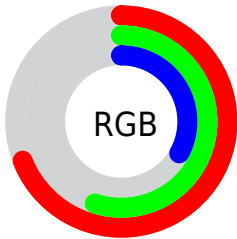
Format	Color
R _Y B	145, 177, 84
Decimal	11635796
CIE Lab	60.55, 7.06, 35.04
CIE LCh	61, 35.747, 78.617
Yxy	28.7434, 0.4143, 0.4091
Android (android.graphics.Color)	4289825876 (0xFFB18C54)
YUV	144.6790, -29.9147, 28.3455
Hunter-Lab	53.6129, 3.0964, 23.8145

Details

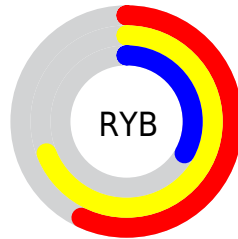
The XYZ color **29.1098, 28.7434, 12.4013** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.4291, 18.7331, 44.2394**, and the grayscale version is **26.8901, 28.2905, 30.8084**.

A 20% lighter version of the original color is **57.7041, 57.5514, 30.9889**, and **12.0161, 11.5835, 3.3528** is the 20% darker color. If you saturate the color by 10%, you get **27.5063, 26.5091, 8.8681**, and if you desaturate by 10%, it is **30.9558, 31.1822, 16.8802**.

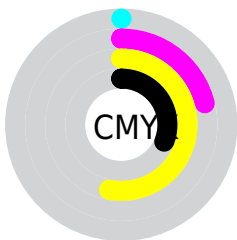
Distribution



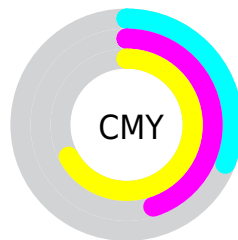
- Red (69%)
- Green (55%)
- Blue (33%)



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



- Cyan (0%)
- Magenta (21%)
- Yellow (53%)
- Black (31%)





- Cyan (31%)
- Magenta (45%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1098, 28.7434, 12.4013 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 29.1098, 28.7434, 12.4013 by changing the saturation by 10% instead.


 29.1098, 28.7434,
12.4013


 29.1098, 28.7434,
12.4013


289.7175,
296.0023, 218.1156

 19.3086, 18.8868,
6.8918


 57.6478, 57.6691,
30.8992

 11.9988, 11.5885,
3.3171


 77.1154, 77.5071,
44.7246


 6.8151, 6.4641,
1.2587


 100.5358,
101.4409, 62.1590

 3.3920, 3.1293,
0.0276

 128.2743,
129.8550, 83.6210

 1.3643, 1.1996,
0.0000

 160.6964,
163.1338, 109.5291

 0.2306, 0.0614,
0.0000

198.1674,

 0.0000, 0.0000,

201.6617, 140.3019

0.0000

241.0527,
245.8231, 176.3579

■ 29.1098, 28.7434,
12.4013

■ 29.1098, 28.7434,
12.4013

■ 27.5063, 26.5091,
8.8681

■ 30.9558, 31.1822,
16.8802

■ 26.1284, 24.4674,
6.2074

■ 33.0553, 33.8286,
22.3669

■ 24.9602, 22.6110,
4.3384

■ 35.4213, 36.6907,
28.9203

■ 23.9819, 20.9298,
3.1635

■ 38.0650, 39.7748,
36.5941

■ 23.3463, 19.7769,
2.5868

■ 40.9970, 43.0869,
45.4386

■ 44.2272, 46.6326,
55.5008

■ 47.7651, 50.4175,
66.8251

■ 51.6195, 54.4468,
79.4538

■ 55.7992, 58.7255,
93.4272

Harmonies

Analogous

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



33.6198, 28.7434, 15.8319



29.1098, 28.7434, 12.4013



24.5821, 28.7434, 12.8547

Triad

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



29.1098, 28.7434, 12.4013



19.7398, 28.7434, 40.1367



34.5378, 28.7434, 51.2963

Complementary

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



29.1098, 28.7434, 12.4013



18.4291, 18.7331, 44.2394

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.



30.2534, 28.7434, 62.1084



29.1098, 28.7434, 12.4013



21.8604, 28.7434, 54.5154

Square

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



29.1098, 28.7434, 12.4013



19.5072, 28.7434, 26.5416



25.6046, 28.7434, 63.4291



36.9810, 28.7434, 36.5882

Rectangle

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



29.1098, 28.7434, 12.4013



22.1445, 28.7434, 15.3364



25.6046, 28.7434, 63.4291



33.2443, 28.7434, 55.6654

Sweetspot

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



29.1105, 28.7448, 12.4019



66.3471, 69.1271, 60.1695



24.7654, 17.0734, 20.1441



14.1728, 14.7412, 12.4421



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.



29.1105, 28.7448, 12.4019



48.8586, 46.8937, 15.0529



33.4070, 40.3762, 14.4205



8.9077, 9.3279, 8.9835



16.9758, 14.4502, 1.8944



0.5892, 0.5649, 0.0780

Inverse Universe

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



18.4291, 18.7331, 44.2394



27.6887, 27.0871, 78.2643



15.6510, 11.8582, 43.0588



8.3101, 8.7665, 10.7604



7.4113, 5.6229, 30.8317



0.2910, 0.2926, 0.9894

Previews

White Background



This preview shows how the XYZ color 29.1098, 28.7434, 12.4013 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 29.1098, 28.7434, 12.4013 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 29.1098, 28.7434, 12.4013

Background



This preview shows how black text looks on a background with the XYZ color 29.1098, 28.7434, 12.4013.



This preview shows how white text looks on a background with the XYZ color 29.1098, 28.7434,

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

29.1098, 28.7434, 12.4013

Protanopia

26.4558, 28.7032, 12.9500

Deuteranopia

29.3384, 28.8612, 12.4120



Tritanopia

32.6369, 28.7033, 29.8067

Trichromacy



Original Color

29.1098, 28.7434, 12.4013

Protanomaly

27.3388, 28.7094, 12.6949

Deuteranomaly

29.3384, 28.8612, 12.4120

Tritanomaly

31.1394, 28.7168, 22.3140

Monochromacy



Original Color

29.1098, 28.7434, 12.4013

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.3022, 28.2431, 22.7514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1098, 28.7434, 12.4013 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(177, 140, 84)` looks like.

```
.text, #text, p{  
    color:rgb(177, 140, 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(177, 140, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 140, 84) }
```

Border

The CSS property to change the border of an element to XYZ 29.1098, 28.7434, 12.4013 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(177, 140, 84) }
```


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

```
.border{ border-color:rgb(177, 140, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 140, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 140, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 140, 84);  
box-shadow:4px 4px 4px 4px rgb(177, 140,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1098, 28.7434, 12.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 140, 84) }
```

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

```
.background{ background-color: rgb(177,  
140, 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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