

Converting Colors

XYZ(28.2717, 29.1815, 13.1601)

Have a look what the booklet for
XYZ(28.2717, 29.1815, 13.1601)
contains.

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Color

**XYZ(28.2711, 29.1807,
13.1592)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9057
RGB	170, 144, 87
RGB Percent	67%, 56%, 34%
CMY	0.3333, 0.4353, 0.6588
CMYK	0.00, 0.15, 0.49, 0.33
HSL	41°, 33%, 50%
HSV	41°, 49%, 67%
XYZ	28.2711, 29.1807, 13.1592
YIQ	145.2760, 33.7930, -12.2150

Conversions

Conversions Part 2

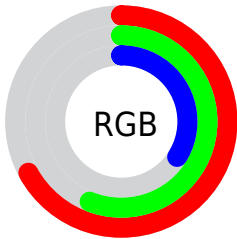
Format	Color
R_{YB}	125, 170, 87
Decimal	11178071
CIE Lab	60.94, 2.12, 33.77
CIE LCh	61, 33.841, 86.405
Yxy	29.1807, 0.4004, 0.4133
Android (android.graphics.Color)	4289368151 (0xFFAA9057)
YUV	145.2760, -28.7301, 21.6829
Hunter-Lab	54.0192, -1.1150, 23.3702

Details

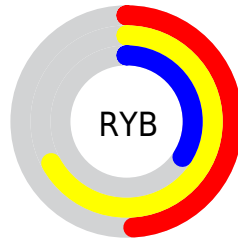
The XYZ color **28.2711, 29.1807, 13.1592** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.0910, 16.7381, 40.3600**, and the grayscale version is **27.1302, 28.5431, 31.0834**.

A 20% lighter version of the original color is **56.4601, 58.5540, 32.3710**, and **11.5714, 11.8649, 3.5997** is the 20% darker color. If you saturate the color by 10%, you get **26.8694, 27.3610, 9.6597**, and if you desaturate by 10%, it is **29.8758, 31.1447, 17.5340**.

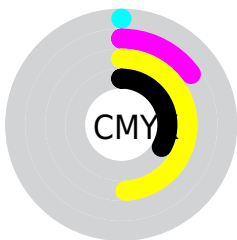
Distribution



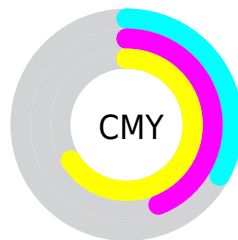
- Red (67%)
- Green (56%)
- Blue (34%)



- Red (49%)
- Yellow (67%)
- Blue (34%)



- Cyan (0%)
- Magenta (15%)
- Yellow (49%)
- Black (33%)



- Cyan (33%)
- Magenta (44%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2711, 29.1807, 13.1592 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 28.2711, 29.1807, 13.1592 by changing the saturation by 10% instead.

■ 28.2711, 29.1807,
13.1592

■ 28.2711, 29.1807,
13.1592

285.8167,
298.0666, 223.1790

■ 18.6716, 19.2176,
7.4062

■ 56.3226, 58.3641,
32.2849

■ 11.5358, 11.8276,
3.6352

■ 75.5053, 78.3531,
46.4947

■ 6.4984, 6.6264,
1.4274

■ 98.6132, 102.4528,
64.3605

■ 3.1940, 3.2296,
0.1630

■ 126.0115,
131.0477, 86.3009

■ 1.2571, 1.2527,
0.0000

■ 158.0657,
164.5222, 112.7344

■ 0.1508, 0.1041,
0.0000

195.1410,

■ 0.0000, 0.0000,

203.2605, 144.0796

0.0000

237.6029,
247.6472, 180.7549

■ 28.2711, 29.1807,
13.1592

■ 28.2711, 29.1807,
13.1592

■ 26.8694, 27.3610,
9.6597

■ 29.8758, 31.1447,
17.5340

■ 25.6565, 25.6757,
6.9720

■ 31.6925, 33.2540,
22.8379

■ 24.6192, 24.1199,
5.0272

■ 33.7320, 35.5149,
29.1225

■ 23.7417, 22.6864,
3.7438

■ 36.0037, 37.9320,
36.4350

■ 22.9944, 21.3623,
2.9689

■ 38.5165, 40.5096,
44.8195

■ 22.9103, 21.2117,
2.8868

■ 41.2787, 43.2516,
54.3177

■ 44.2981, 46.1621,
64.9688

■ 47.5825, 49.2448,
76.8103

■ 51.1388, 52.5033,
89.8779

Harmonies

Analogous

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



32.7034, 29.1807, 15.5176



28.2711, 29.1807, 13.1592



24.1283, 29.1807, 14.5912

Triad

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



28.2711, 29.1807, 13.1592



20.8047, 29.1807, 43.8596



35.4257, 29.1807, 47.2153

Complementary

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



28.2711, 29.1807, 13.1592



17.0910, 16.7381, 40.3600

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.



31.6851, 29.1807, 58.9067



28.2711, 29.1807, 13.1592



23.2978, 29.1807, 56.6358

Square

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



28.2711, 29.1807, 13.1592



20.0954, 29.1807, 30.2726



27.2065, 29.1807, 62.7434



37.1012, 29.1807, 33.3218

Rectangle

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



28.2711, 29.1807, 13.1592



22.0296, 29.1807, 17.7824



27.2065, 29.1807, 62.7434



34.3500, 29.1807, 51.6620

Sweetspot

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



28.2718, 29.1821, 13.1598



62.6178, 65.9627, 57.3329



22.9825, 16.5613, 17.6922



13.7806, 14.5129, 12.2011



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.



28.2718, 29.1821, 13.1598



48.4592, 49.2493, 16.8401



29.5710, 36.3846, 14.4815



7.9457, 8.3715, 7.9863



16.9046, 15.7065, 2.1407



0.4539, 0.4673, 0.0663

Inverse Universe

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



17.0910, 16.7381, 40.3600



25.7200, 23.9779, 72.2745



16.1682, 12.5564, 39.6015



7.3164, 7.6697, 9.5131



6.3270, 4.1142, 28.4361



0.1992, 0.1906, 0.7069

Previews

White Background



This preview shows how the XYZ color 28.2711, 29.1807, 13.1592 looks on a white background.

Color Contrast Check

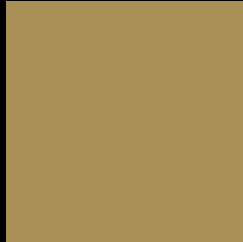
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2711, 29.1807, 13.1592 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 28.2711, 29.1807, 13.1592

Background



This preview shows how black text looks on a background with the XYZ color 28.2711, 29.1807, 13.1592.



This preview shows how white text looks on a background with the XYZ color 28.2711, 29.1807,

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

28.2711, 29.1807, 13.1592

Protanopia

26.8931, 29.1491, 13.4414

Deuteranopia

29.7299, 29.0445, 13.2717



Tritanopia

32.1166, 29.2280, 31.5526

Trichromacy



Original Color

28.2711, 29.1807, 13.1592

Protanomaly

27.3502, 29.1549, 13.4185

Deuteranomaly

29.1908, 28.9844, 13.2886

Tritanomaly

30.5353, 29.2355, 23.4357

Monochromacy



Original Color

28.2711, 29.1807, 13.1592

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.0899, 28.5761, 23.1567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2711, 29.1807, 13.1592 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(170, 144, 87)` looks like.

```
.text, #text, p{  
    color:rgb(170, 144, 87)  
}
```

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(170, 144, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 144, 87) }
```

Border

The CSS property to change the border of an element to XYZ 28.2711, 29.1807, 13.1592 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(170, 144, 87) }
```


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

```
.border{ border-color:rgb(170, 144, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 144, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 144, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 144, 87);  
box-shadow:4px 4px 4px 4px rgb(170, 144,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2711, 29.1807, 13.1592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 144, 87) }
```

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

```
.background{ background-color: rgb(170,  
144, 87) }
```

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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