

Converting Colors

XYZ(29.1232, 27.8414, 5.1650)

Have a look what the booklet for
XYZ(29.1232, 27.8414, 5.1650)
contains.

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Color

**XYZ(29.1610, 27.8660,
5.1380)**

Conversions

Conversions Part 1

Format	Color
Hex	BA871F
RGB	186, 135, 31
RGB Percent	73%, 53%, 12%
CMY	0.2706, 0.4706, 0.8784
CMYK	0.00, 0.27, 0.83, 0.27
HSL	40°, 71%, 43%
HSV	40°, 83%, 73%
XYZ	29.1610, 27.8660, 5.1380
YIQ	138.3930, 63.7800, -21.5320

Conversions

Conversions Part 2

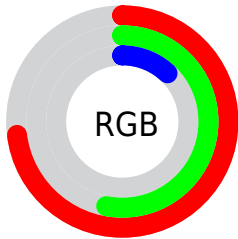
Format	Color
R_{YB}	107, 186, 31
Decimal	12224287
CIE _{Lab}	59.77, 10.64, 58.36
CIE _{LCh}	60, 59.324, 79.663
Yxy	27.8660, 0.4691, 0.4483
Android (android.graphics.Color)	4290414367 (0xFFBA871F)
YUV	138.3930, -52.9447, 41.7513
Hunter-Lab	52.7883, 6.2265, 31.1810

Details

The XYZ color **29.1610, 27.8660, 5.1380** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.4452, 9.8707, 47.7033**, and the grayscale version is **24.4877, 25.7630, 28.0559**.

A 20% lighter version of the original color is **57.6690, 56.2312, 16.6183**, and **12.2299, 11.2448, 1.5259** is the 20% darker color. If you saturate the color by 10%, you get **28.1536, 26.1370, 3.9220**, and if you desaturate by 10%, it is **30.3600, 29.7525, 7.1156**.

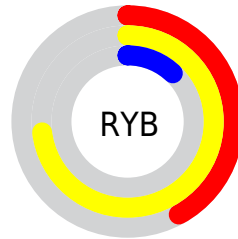
Distribution



Red (73%)

Green (53%)

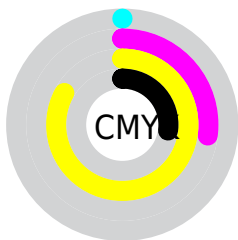
Blue (12%)



Red (42%)

Yellow (73%)

Blue (12%)

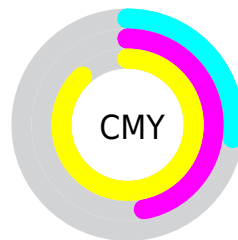


Cyan (0%)

Magenta (27%)

Yellow (83%)

Black (27%)



Cyan (27%)


Magenta (47%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1610, 27.8660, 5.1380 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 29.1610, 27.8660, 5.1380 by changing the saturation by 10% instead.


 29.1610, 27.8660,
5.1380


 29.1610, 27.8660,
5.1380


289.9544,
291.8261, 160.1402

 19.3475, 18.2247,
2.2683


 57.7286, 56.2704,
16.5593


 12.0272, 11.1114,
0.7134


 77.2134, 75.8023,
25.9479

 6.8345, 6.1418,
0.0000


 100.6527, 99.3999,
38.3466

 3.4042, 2.9315,
0.0000

 128.4119,
127.4475, 54.1740

 1.3710, 1.0961,
0.0000

 160.8563,
160.3295, 73.8485

 0.2354, 0.0000,
0.0000

 198.3513,

 0.0000, 0.0000,

198.4303, 97.7886

0.0000

241.2622,
242.1344, 126.4130

■ 29.1610, 27.8660,
5.1380

■ 29.1610, 27.8660,
5.1380

■ 28.1536, 26.1370,
3.9220

■ 30.3600, 29.7525,
7.1156

■ 27.5585, 25.0569,
3.3840

■ 31.7709, 31.8023,
9.9654

■ 33.4127, 34.0256,
13.7813

■ 35.3015, 36.4300,
18.6447

■ 37.4519, 39.0225,
24.6280

■ 39.8771, 41.8095,
31.7976

■ 42.5893, 44.7971,
40.2142

■ 45.6001, 47.9910,
49.9347

■ 48.9200, 51.3965,
61.0123

Harmonies

Analogous

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



36.9698, 27.8660, 8.4812



29.1610, 27.8660, 5.1380



21.9199, 27.8660, 5.6890

Triad

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



29.1610, 27.8660, 5.1380



15.0865, 27.8660, 46.4841



39.0813, 27.8660, 65.7328

Complementary

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



29.1610, 27.8660, 5.1380



12.4452, 9.8707, 47.7033

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.



31.6454, 27.8660, 88.2861



29.1610, 27.8660, 5.1380



18.1988, 27.8660, 74.0151

Square

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



29.1610, 27.8660, 5.1380



14.6729, 27.8660, 23.5121



23.9794, 27.8660, 91.8792



43.3734, 27.8660, 38.3793

Rectangle

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



29.1610, 27.8660, 5.1380



18.3002, 27.8660, 8.3483



23.9794, 27.8660, 91.8792



36.8076, 27.8660, 74.5829

Sweetspot

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



29.1616, 27.8674, 5.1385



71.3227, 74.7012, 54.7465



22.2882, 12.0386, 9.2657



15.3601, 16.0544, 11.0259



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.1616, 27.8674, 5.1385



49.7211, 44.9560, 6.0568



32.3367, 42.7073, 7.8356



9.4945, 9.9919, 9.5351



18.6114, 16.9991, 2.3002



0.7101, 0.7073, 0.0991

Inverse Universe

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



12.4452, 9.8707, 47.7033



18.9114, 12.1195, 85.5440



11.0310, 5.3904, 46.9131



8.7560, 9.1892, 11.3916



7.1543, 4.7682, 31.7964



0.3104, 0.2844, 1.1403

Previews

White Background



This preview shows how the XYZ color 29.1610, 27.8660, 5.1380 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 29.1610, 27.8660, 5.1380 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 29.1610, 27.8660, 5.1380

Background



This preview shows how black text looks on a background with the XYZ color 29.1610, 27.8660, 5.1380.



This preview shows how white text looks on a background with the XYZ color 29.1610, 27.8660,

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

29.1610, 27.8660, 5.1380

Protanopia

25.3144, 28.0477, 5.5929

Deuteranopia

28.4714, 27.9301, 5.1187



Tritanopia

33.5723, 27.8774, 26.5331

Trichromacy



Original Color

29.1610, 27.8660, 5.1380

Protanomaly

26.5940, 27.8175, 5.4065

Deuteranomaly

28.5669, 27.7693, 5.0827

Tritanomaly

31.2431, 27.5107, 14.9727

Monochromacy



Original Color

29.1610, 27.8660, 5.1380

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.7154, 25.7607, 15.4741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1610, 27.8660, 5.1380 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(186, 135, 31)` looks like.

```
.text, #text, p{  
    color:rgb(186, 135, 31)  
}
```

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(186, 135, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 135, 31) }
```

Border

The CSS property to change the border of an element to XYZ 29.1610, 27.8660, 5.1380 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(186, 135, 31) }
```


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

```
.border{ border-color:rgb(186, 135, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 135, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 135, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 135, 31);  
box-shadow:4px 4px 4px 4px rgb(186, 135,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1610, 27.8660, 5.1380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 135, 31) }
```

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

```
.background{ background-color: rgb(186,  
135, 31) }
```

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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