

Converting Colors

XYZ(27.8507, 30.2583, 5.7938)

Have a look what the booklet for
XYZ(27.8507, 30.2583, 5.7938)
contains.

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Color

**XYZ(27.8165, 30.2626,
5.8140)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9521
RGB	171, 149, 33
RGB Percent	67%, 58%, 13%
CMY	0.3294, 0.4157, 0.8706
CMYK	0.00, 0.13, 0.81, 0.33
HSL	50°, 68%, 40%
HSV	50°, 81%, 67%
XYZ	27.8165, 30.2626, 5.8140
YIQ	142.3540, 50.3480, -31.4120

Conversions

Conversions Part 2

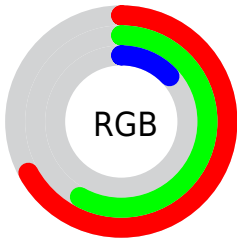
Format	Color
RYB	59, 171, 33
Decimal	11244833
CIELab	61.88, -3.73, 58.96
CIELCh	62, 59.081, 93.616
Yxy	30.2626, 0.4354, 0.4736
Android (android.graphics.Color)	4289434913 (0xFFAB9521)
YUV	142.3540, -53.9115, 25.1225
Hunter-Lab	55.0115, -6.0117, 32.2418

Details

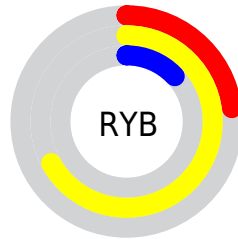
The XYZ color **27.8165, 30.2626, 5.8140** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.3441, 5.9959, 39.1925**, and the grayscale version is **26.0455, 27.4019, 29.8407**.

A 20% lighter version of the original color is **55.7922, 60.2561, 18.1412**, and **11.5321, 12.5685, 1.8182** is the 20% darker color. If you saturate the color by 10%, you get **27.2092, 29.3389, 4.7154**, and if you desaturate by 10%, it is **28.5569, 31.2580, 7.5577**.

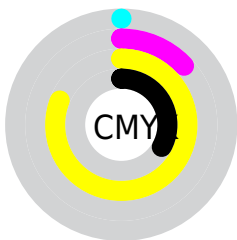
Distribution



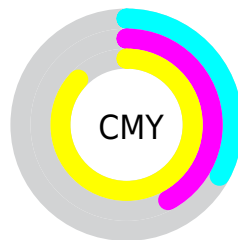
- Red (67%)
- Green (58%)
- Blue (13%)



- Red (23%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (13%)
- Yellow (81%)
- Black (33%)



- Cyan (33%)
- Magenta (42%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8165, 30.2626, 5.8140 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 27.8165, 30.2626, 5.8140 by changing the saturation by 10% instead.

■ 27.8165, 30.2626,
5.8140

■ 27.8165, 30.2626,
5.8140

283.6851,
303.1266, 166.6475

■ 18.3271, 20.0380,
2.6654

■ 55.6020, 60.0772,
18.0145

■ 11.2862, 12.4227,
0.9259

■ 74.6289, 80.4360,
27.9035

■ 6.3284, 7.0322,
0.0000

■ 97.5657, 104.9417,
40.8764

■ 3.0883, 3.4823,
0.0000

■ 124.7777,
133.9786, 57.3516

■ 1.2006, 1.3884,
0.0000

■ 156.6302,
167.9311, 77.7478

■ 0.1069, 0.2081,
0.0000

■ 193.4887,

■ 0.0000, 0.0000,

207.1837, 102.4835

0.0000

235.7186,
252.1207, 131.9772

■ 27.8165, 30.2626,
5.8140

■ 27.8165, 30.2626,
5.8140

■ 27.2092, 29.3389,
4.7154

■ 28.5569, 31.2580,
7.5577

■ 26.7290, 28.5270,
4.0975

■ 29.4446, 32.3275,
10.0303

■ 30.4943, 33.4780,
13.3048

■ 31.7179, 34.7147,
17.4449

■ 33.1265, 36.0418,
22.5079

■ 34.7300, 37.4637,
28.5461

■ 36.5378, 38.9840,
35.6079

■ 38.5584, 40.6063,
43.7386

■ 40.8000, 42.3340,
52.9807

Harmonies

Analogous

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



36.0543, 30.2626, 7.3271



27.8165, 30.2626, 5.8140



21.1484, 30.2626, 8.3807

Triad

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



27.8165, 30.2626, 5.8140



17.8795, 30.2626, 63.3723



44.6266, 30.2626, 56.3050

Complementary

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



27.8165, 30.2626, 5.8140



9.3441, 5.9959, 39.1925

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.



38.0174, 30.2626, 84.0648



27.8165, 30.2626, 5.8140



22.5288, 30.2626, 89.2910

Square

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



27.8165, 30.2626, 5.8140



16.1132, 30.2626, 35.7707



29.7321, 30.2626, 98.2105



46.7387, 30.2626, 30.2832

Rectangle

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



27.8165, 30.2626, 5.8140



18.1877, 30.2626, 13.2982



29.7321, 30.2626, 98.2105



42.8044, 30.2626, 66.0718

Sweetspot

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



27.8172, 30.2641, 5.8146



61.0886, 66.1273, 46.8866



18.0523, 10.0314, 4.7266



13.4022, 14.5504, 9.6262



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.



27.8172, 30.2641, 5.8146



48.0021, 51.2953, 7.5621



23.2949, 33.5954, 6.6960



8.5523, 9.1095, 8.5209



20.1818, 21.5691, 3.0996



0.5901, 0.6573, 0.0958

Inverse Universe

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



9.3441, 5.9959, 39.1925



14.0394, 6.8916, 69.5921



11.1193, 5.6906, 39.0400



7.6782, 7.9558, 10.0836



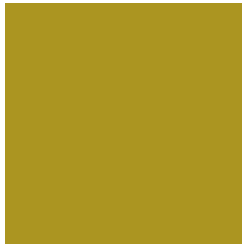
5.8676, 2.8690, 29.2890



0.1939, 0.1411, 0.8250

Previews

White Background



This preview shows how the XYZ color 27.8165, 30.2626, 5.8140 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 27.8165, 30.2626, 5.8140 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 27.8165, 30.2626, 5.8140

Background



This preview shows how black text looks on a background with the XYZ color 27.8165, 30.2626, 5.8140.



This preview shows how white text looks on a background with the XYZ color 27.8165, 30.2626,

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

27.8165, 30.2626, 5.8140

Protanopia

27.3293, 30.2473, 5.8368

Deuteranopia

30.7460, 30.1709, 5.9534



Tritanopia

33.3280, 30.2510, 32.9366

Trichromacy



Original Color

27.8165, 30.2626, 5.8140

Protanomaly

27.5430, 30.3575, 5.8468

Deuteranomaly

29.7352, 30.3233, 5.9548

Tritanomaly

30.3808, 29.9366, 18.0870

Monochromacy



Original Color

27.8165, 30.2626, 5.8140

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.6605, 27.9824, 16.6191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8165, 30.2626, 5.8140 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, 149, 33)` looks like.

```
.text, #text, p{  
    color:rgb(171, 149, 33)  
}
```

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, 149, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 149, 33) }
```

Border

The CSS property to change the border of an element to XYZ 27.8165, 30.2626, 5.8140 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, 149, 33) }
```


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

```
.border{ border-color:rgb(171, 149, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 149, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 149, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 149, 33);  
box-shadow:4px 4px 4px 4px rgb(171, 149,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8165, 30.2626, 5.8140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 149, 33) }
```

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

```
.background{ background-color: rgb(171,  
149, 33) }
```

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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