

Converting Colors

XYZ(27.9861, 30.3803, 9.5433)

Have a look what the booklet for
XYZ(27.9861, 30.3803, 9.5433)
contains.

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Color

**XYZ(27.8793, 30.2131,
9.5166)**

Conversions

Conversions Part 1

Format	Color
Hex	A89542
RGB	168, 149, 66
RGB Percent	66%, 58%, 26%
CMY	0.3412, 0.4157, 0.7412
CMYK	0.00, 0.11, 0.61, 0.34
HSL	49°, 44%, 46%
HSV	49°, 61%, 66%
XYZ	27.8793, 30.2131, 9.5166
YIQ	145.2190, 37.9670, -21.7850

Conversions

Conversions Part 2

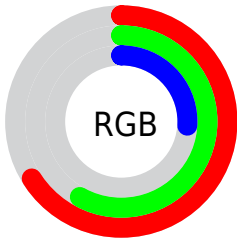
Format	Color
RYB	89, 168, 66
Decimal	11048258
CIELab	61.84, -3.29, 45.45
CIElCh	62, 45.565, 94.145
Yxy	30.2131, 0.4124, 0.4469
Android (android.graphics.Color)	4289238338 (0xFFA89542)
YUV	145.2190, -39.0550, 19.9789
Hunter-Lab	54.9664, -5.6550, 28.2114

Details

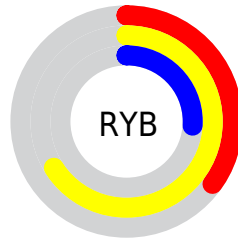
The XYZ color **27.8793, 30.2131, 9.5166** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.5631, 10.4821, 38.4068**, and the grayscale version is **27.1466, 28.5603, 31.1022**.

A 20% lighter version of the original color is **55.6182, 60.0038, 25.4801**, and **11.3445, 12.4634, 2.1885** is the 20% darker color. If you saturate the color by 10%, you get **26.9668, 29.0678, 7.1175**, and if you desaturate by 10%, it is **28.9520, 31.4461, 12.6875**.

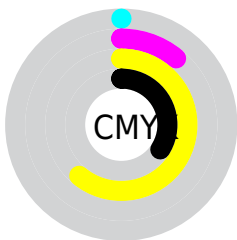
Distribution



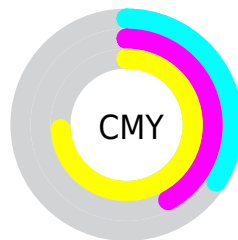
- Red (66%)
- Green (58%)
- Blue (26%)



- Red (35%)
- Yellow (66%)
- Blue (26%)



- Cyan (0%)
- Magenta (11%)
- Yellow (61%)
- Black (34%)



- Cyan (34%)
- Magenta (42%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8793, 30.2131, 9.5166 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 27.8793, 30.2131, 9.5166 by changing the saturation by 10% instead.

■ 27.8793, 30.2131,
9.5166

■ 27.8793, 30.2131,
9.5166

283.9803,
302.8965, 197.5441

■ 18.3747, 20.0004,
4.9783

■ 55.7017, 59.9990,
25.4757

■ 11.3206, 12.3953,
2.1760

■ 74.7501, 80.3410,
37.7335

■ 6.3518, 7.0135,
0.6605

■ 97.7106, 104.8282,
53.4015

■ 3.1028, 3.4706,
0.0000

■ 124.9484,
133.8451, 72.8983

■ 1.2084, 1.3821,
0.0000

■ 156.8289,
167.7759, 96.6424

■ 0.1130, 0.2034,
0.0000

193.7175,

■ 0.0000, 0.0000,

207.0052, 125.0524

0.0000

235.9795,
251.9172, 158.5468

■ 27.8793, 30.2131,
9.5166

■ 27.8793, 30.2131,
9.5166

■ 26.9668, 29.0678,
7.1175

■ 28.9520, 31.4461,
12.6875

■ 26.1992, 28.0004,
5.4191

■ 30.1944, 32.7672,
16.6893

■ 25.5614, 27.0059,
4.3402

■ 31.6179, 34.1824,
21.5774

■ 25.0533, 26.1346,
3.7240

■ 33.2319, 35.6955,
27.4021

■ 35.0453, 37.3104,
34.2097

■ 37.0666, 39.0304,
42.0435

■ 39.3035, 40.8589,
50.9442

■ 41.7635, 42.7991,
60.9503

■ 44.4534, 44.8537,
72.0984

Harmonies

Analogous

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



34.1271, 30.2131, 11.0181



27.8793, 30.2131, 9.5166



22.6375, 30.2131, 12.2278

Triad

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



27.8793, 30.2131, 9.5166



20.0811, 30.2131, 55.5160



40.5845, 30.2131, 49.7800

Complementary

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



27.8793, 30.2131, 9.5166



12.5631, 10.4821, 38.4068

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.



35.7969, 30.2131, 69.1510



27.8793, 30.2131, 9.5166



23.9105, 30.2131, 73.2016

Square

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



27.8793, 30.2131, 9.5166



18.5566, 30.2131, 35.3786



29.5706, 30.2131, 78.9115



42.0380, 30.2131, 30.5341

Rectangle

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



27.8793, 30.2131, 9.5166



20.2394, 30.2131, 16.9146



29.5706, 30.2131, 78.9115



39.2815, 30.2131, 56.6857

Sweetspot

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



27.8800, 30.2145, 9.5172



61.0549, 65.4562, 52.5035



19.7927, 12.8999, 10.3360



13.1153, 14.0921, 10.7333



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.8800, 30.2145, 9.5172



48.4011, 52.0294, 11.6581



25.3683, 33.7508, 10.3322



8.0263, 8.5327, 8.0132



18.9541, 19.8054, 2.8238



0.4910, 0.5416, 0.0787

Inverse Universe

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



12.5631, 10.4821, 38.4068



18.2163, 13.2154, 68.8158



13.9037, 9.2434, 38.0970



7.2407, 7.5182, 9.4879



5.7419, 2.9440, 28.2411



0.1711, 0.1344, 0.6976

Previews

White Background



This preview shows how the XYZ color 27.8793, 30.2131, 9.5166 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 27.8793, 30.2131, 9.5166 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 27.8793, 30.2131, 9.5166

Background



This preview shows how black text looks on a background with the XYZ color 27.8793, 30.2131, 9.5166.



This preview shows how white text looks on a background with the XYZ color 27.8793, 30.2131,

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

27.8793, 30.2131, 9.5166

Protanopia

27.6156, 30.3130, 9.5498

Deuteranopia

30.7240, 30.0776, 9.6551



Tritanopia

32.6432, 30.1045, 33.3684

Trichromacy



Original Color

27.8793, 30.2131, 9.5166

Protanomaly

27.8261, 30.4215, 9.5596

Deuteranomaly

29.7289, 30.2398, 9.5802

Tritanomaly

30.2259, 29.7716, 21.9227

Monochromacy



Original Color

27.8793, 30.2131, 9.5166

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.5681, 28.5910, 20.6413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8793, 30.2131, 9.5166 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(168, 149, 66)` looks like.

```
.text, #text, p{  
    color:rgb(168, 149, 66)  
}
```

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(168, 149, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 149, 66) }
```

Border

The CSS property to change the border of an element to XYZ 27.8793, 30.2131, 9.5166 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(168, 149, 66) }
```


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

```
.border{ border-color:rgb(168, 149, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 149, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 149, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 149, 66);  
box-shadow:4px 4px 4px 4px rgb(168, 149,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8793, 30.2131, 9.5166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 149, 66) }
```

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

```
.background{ background-color: rgb(168,  
149, 66) }
```

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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