

Converting Colors

XYZ(27.0716, 27.1743, 13.3247)

Have a look what the booklet for
XYZ(27.0716, 27.1743, 13.3247)
contains.

XYZ(27.0401, 27.2231, 13.2806)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.0401, 27.2231,
13.2806)**

Conversions

Conversions Part 1

Format	Color
Hex	A88A59
RGB	168, 138, 89
RGB Percent	66%, 54%, 35%
CMY	0.3412, 0.4588, 0.6510
CMYK	0.00, 0.18, 0.47, 0.34
HSL	37°, 31%, 50%
HSV	37°, 47%, 66%
XYZ	27.0401, 27.2231, 13.2806
YIQ	141.3840, 33.6090, -8.8790

Conversions

Conversions Part 2

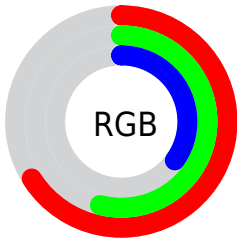
Format	Color
RYB	137, 168, 89
Decimal	11045465
CIELab	59.18, 4.79, 30.44
CIElCh	59, 30.811, 81.049
Yxy	27.2231, 0.4003, 0.4030
Android (android.graphics.Color)	4289235545 (0xFFA88A59)
YUV	141.3840, -25.8253, 23.3422
Hunter-Lab	52.1758, 1.2001, 21.4316

Details

The XYZ color **27.0401, 27.2231, 13.2806** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.7842, 18.1439, 39.6104**, and the grayscale version is **25.5580, 26.8890, 29.2821**.

A 20% lighter version of the original color is **54.4158, 55.1626, 32.5904**, and **10.8471, 10.7240, 3.6887** is the 20% darker color. If you saturate the color by 10%, you get **25.5253, 25.1965, 9.6835**, and if you desaturate by 10%, it is **28.7710, 29.4242, 17.7446**.

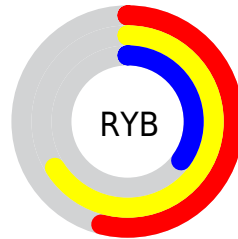
Distribution



Red (66%)

Green (54%)

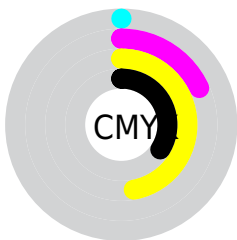
Blue (35%)



Red (54%)

Yellow (66%)

Blue (35%)

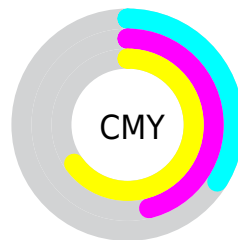


Cyan (0%)

Magenta (18%)

Yellow (47%)

Black (34%)



Cyan (34%)


Magenta (46%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0401, 27.2231, 13.2806 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 27.0401, 27.2231, 13.2806 by changing the saturation by 10% instead.


 27.0401, 27.2231,
13.2806


 27.0401, 27.2231,
13.2806


280.0152,
288.7357, 223.9789


 17.7401, 17.7408,
7.4891


 54.3676, 55.2417,
32.5055


 10.8621, 10.7641,
3.6867


 73.1259, 74.5468,
46.7760


 6.0408, 5.9084,
1.4551


 95.7676, 97.8949,
64.7098

 2.9108, 2.7895,
0.1842

 122.6581,
125.6706, 86.7256

 1.1068, 1.0228,
0.0000

 154.1627,
158.2581, 113.2419

 0.0308, 0.0000,
0.0000

190.6469,

 0.0000, 0.0000,

196.0418, 144.6771

0.0000

232.4760,
239.4063, 181.4500

■ 27.0401, 27.2231,
13.2806

■ 27.0401, 27.2231,
13.2806

■ 25.5253, 25.1965,
9.6835

■ 28.7710, 29.4242,
17.7446

■ 24.2126, 23.3344,
6.8929

■ 30.7270, 31.8017,
23.1272

■ 23.0892, 21.6310,
4.8433

■ 32.9188, 34.3624,
29.4777

■ 22.1396, 20.0786,
3.4577

■ 35.3559, 37.1113,
36.8417

■ 21.3412, 18.6666,
2.6218

■ 38.0471, 40.0535,
45.2616

■ 21.1200, 18.2681,
2.4129

■ 41.0008, 43.1935,
54.7776

■ 44.2249, 46.5357,
65.4276

■ 47.7270, 50.0845,
77.2478

■ 51.5145, 53.8441,
90.2727

Harmonies

Analogous

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



30.7973, 27.2231, 16.0548



27.0401, 27.2231, 13.2806



23.3134, 27.2231, 13.9672

Triad

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



27.0401, 27.2231, 13.2806



19.5799, 27.2231, 37.8997



32.0493, 27.2231, 45.0136

Complementary

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



27.0401, 27.2231, 13.2806



17.7842, 18.1439, 39.6104

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.



28.6171, 27.2231, 54.0676



27.0401, 27.2231, 13.2806



21.5068, 27.2231, 49.3051

Square

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



27.0401, 27.2231, 13.2806



19.2475, 27.2231, 26.4728



24.7434, 27.2231, 55.8072



33.8715, 27.2231, 33.0531

Rectangle

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



27.0401, 27.2231, 13.2806



21.3243, 27.2231, 16.3877



24.7434, 27.2231, 55.8072



31.0304, 27.2231, 48.6099

Sweetspot

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



27.0408, 27.2244, 13.2811



60.9143, 63.7010, 57.0006



23.0678, 16.8085, 19.5709



13.0835, 13.6637, 11.8475



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.



27.0408, 27.2244, 13.2811



46.3183, 45.7213, 17.5693



30.0609, 36.0752, 14.8304



7.9040, 8.2880, 7.9724



15.9996, 13.8965, 1.8390



0.4362, 0.4320, 0.0604

Inverse Universe

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



17.7842, 18.1439, 39.6104



27.5422, 27.3252, 71.0478



15.7009, 12.5810, 38.6465



7.3565, 7.7500, 9.5265



6.7592, 4.9785, 28.5802



0.2139, 0.2201, 0.7119

Previews

White Background



This preview shows how the XYZ color 27.0401, 27.2231, 13.2806 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 27.0401, 27.2231, 13.2806 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 27.0401, 27.2231, 13.2806

Background



This preview shows how black text looks on a background with the XYZ color 27.0401, 27.2231, 13.2806.



This preview shows how white text looks on a background with the XYZ color 27.0401, 27.2231,

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

27.0401, 27.2231, 13.2806

Protanopia

25.2284, 27.3688, 13.8506

Deuteranopia

27.6206, 27.1002, 13.2263



Tritanopia

30.3673, 27.3398, 29.2678

Trichromacy



Original Color

27.0401, 27.2231, 13.2806

Protanomaly

25.8675, 27.2615, 13.5715

Deuteranomaly

27.5434, 27.2705, 13.2632

Tritanomaly

28.8948, 27.1382, 22.4542

Monochromacy



Original Color

27.0401, 27.2231, 13.2806

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.6534, 26.7406, 22.2217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0401, 27.2231, 13.2806 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, 138, 89)` looks like.

```
.text, #text, p{  
    color:rgb(168, 138, 89)  
}
```

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, 138, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 138, 89) }
```

Border

The CSS property to change the border of an element to XYZ 27.0401, 27.2231, 13.2806 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, 138, 89) }
```


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

```
.border{ border-color:rgb(168, 138, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 138, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 138, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 138, 89);  
box-shadow:4px 4px 4px 4px rgb(168, 138,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0401, 27.2231, 13.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 138, 89) }
```

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

```
.background{ background-color: rgb(168,  
138, 89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor