

Converting Colors

XYZ(28.8678, 31.5560, 8.8164)

Have a look what the booklet for
XYZ(28.8678, 31.5560, 8.8164)
contains.

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Color

**XYZ(28.8384, 31.4406,
8.8237)**

Conversions

Conversions Part 1

Format	Color
Hex	AB983C
RGB	171, 152, 60
RGB Percent	67%, 60%, 24%
CMY	0.3294, 0.4039, 0.7647
CMYK	0.00, 0.11, 0.65, 0.33
HSL	50°, 48%, 45%
HSV	50°, 65%, 67%
XYZ	28.8384, 31.4406, 8.8237
YIQ	147.1930, 40.8560, -24.5840

Conversions

Conversions Part 2

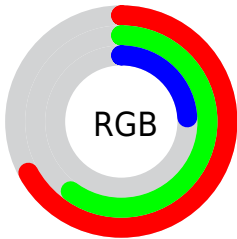
Format	Color
RYB	83, 171, 60
Decimal	11245628
CIELab	62.88, -4.01, 49.45
CIELCh	63, 49.610, 94.636
Yxy	31.4406, 0.4173, 0.4550
Android (android.graphics.Color)	4289435708 (0xFFAB983C)
YUV	147.1930, -42.9861, 20.8787
Hunter-Lab	56.0719, -6.3214, 29.9202

Details

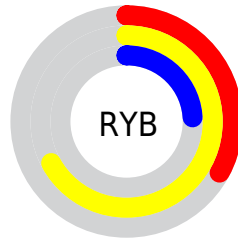
The XYZ color **28.8384, 31.4406, 8.8237** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.0101, 9.4927, 39.7271**, and the grayscale version is **27.9743, 29.4312, 32.0505**.

A 20% lighter version of the original color is **57.3090, 61.9705, 24.2702**, and **11.8616, 13.0226, 1.9171** is the 20% darker color. If you saturate the color by 10%, you get **27.9886, 30.3512, 6.6594**, and if you desaturate by 10%, it is **29.8475, 32.6148, 11.7624**.

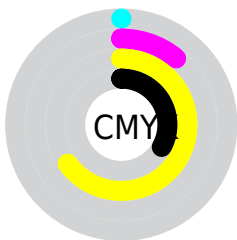
Distribution



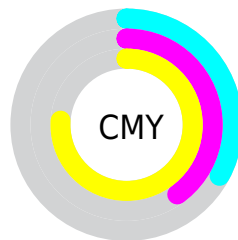
- Red (67%)
- Green (60%)
- Blue (24%)



- Red (33%)
- Yellow (67%)
- Blue (24%)



- Cyan (0%)
- Magenta (11%)
- Yellow (65%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8384, 31.4406, 8.8237 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 28.8384, 31.4406, 8.8237 by changing the saturation by 10% instead.

■ 28.8384, 31.4406,
8.8237

■ 28.8384, 31.4406,
8.8237

288.4597,
308.5631, 192.2266

■ 19.1023, 20.9346,
4.5311

■ 57.2196, 61.9331,
24.1304

■ 11.8486, 13.0762,
1.9210

■ 76.5953, 82.6884,
35.9816

■ 6.7122, 7.4810,
0.5061

■ 99.9150, 107.6288,
51.1894

■ 3.3275, 3.7647,
0.0000

■ 127.5440,
137.1389, 70.1723

■ 1.3292, 1.5428,
0.0000

■ 159.8476,
171.6030, 93.3490

■ 0.2049, 0.3186,
0.0000

■ 197.1911,

■ 0.0000, 0.0000,

211.4054, 121.1379

0.0000

239.9401,
256.9306, 153.9576

■ 28.8384, 31.4406,
8.8237

■ 28.8384, 31.4406,
8.8237

■ 27.9886, 30.3512,
6.6594

■ 29.8475, 32.6148,
11.7624

■ 27.2810, 29.3362,
5.1904

■ 31.0265, 33.8747,
15.5407

■ 26.6985, 28.3897,
4.3225

■ 32.3875, 35.2264,
20.2189

■ 26.4283, 27.9255,
3.9972

■ 33.9409, 36.6742,
25.8513

■ 35.6963, 38.2221,
32.4880

■ 37.6626, 39.8737,
40.1754

■ 39.8482, 41.6325,
48.9570

■ 42.2608, 43.5018,
58.8741

■ 44.9081, 45.4848,
69.9656

Harmonies

Analogous

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



35.8445, 31.4406, 10.3134



28.8384, 31.4406, 8.8237



23.0479, 31.4406, 11.7350

Triad

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



28.8384, 31.4406, 8.8237



20.3608, 31.4406, 60.2466



43.3308, 31.4406, 52.9200

Complementary

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



28.8384, 31.4406, 8.8237



12.0101, 9.4927, 39.7271

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.



37.9520, 31.4406, 75.2352



28.8384, 31.4406, 8.8237



24.6227, 31.4406, 80.4710

Square

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



28.8384, 31.4406, 8.8237



18.6492, 31.4406, 37.3519



30.9532, 31.4406, 86.7976



44.9101, 31.4406, 31.2937

Rectangle

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



28.8384, 31.4406, 8.8237



20.4346, 31.4406, 16.8063



30.9532, 31.4406, 86.7976



41.8709, 31.4406, 60.8163

Sweetspot

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



28.8391, 31.4421, 8.8243



62.4938, 67.2049, 52.6972



19.8715, 12.4743, 9.0183



13.7430, 14.8157, 11.0229



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.



28.8391, 31.4421, 8.8243



49.5303, 53.5295, 10.6061



25.5076, 34.6736, 9.6237



8.5443, 9.0934, 8.5182



19.9568, 21.1190, 3.0245



0.5855, 0.6481, 0.0942

Inverse Universe

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



12.0101, 9.4927, 39.7271



17.1764, 11.4227, 70.3014



13.7018, 8.6133, 39.4682



7.6856, 7.9706, 10.0861



5.9051, 2.9441, 29.3016



0.1968, 0.1469, 0.8260

Previews

White Background



This preview shows how the XYZ color 28.8384, 31.4406, 8.8237 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 28.8384, 31.4406, 8.8237 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 28.8384, 31.4406, 8.8237

Background



This preview shows how black text looks on a background with the XYZ color 28.8384, 31.4406, 8.8237.



This preview shows how white text looks on a background with the XYZ color 28.8384, 31.4406,

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

28.8384, 31.4406, 8.8237

Protanopia

28.6214, 31.3288, 8.8135

Deuteranopia

31.9812, 31.4174, 8.9360



Tritanopia

34.0961, 31.2628, 34.8091

Trichromacy



Original Color

28.8384, 31.4406, 8.8237

Protanomaly

28.6214, 31.3288, 8.8135

Deuteranomaly

30.7236, 31.4618, 8.8683

Tritanomaly

31.5735, 31.1439, 22.1166

Monochromacy



Original Color

28.8384, 31.4406, 8.8237

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.5523, 29.8006, 20.5196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8384, 31.4406, 8.8237 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, 152, 60)` looks like.

```
.text, #text, p{  
    color:rgb(171, 152, 60)  
}
```

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, 152, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 152, 60) }
```

Border

The CSS property to change the border of an element to XYZ 28.8384, 31.4406, 8.8237 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, 152, 60) }
```


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

```
.border{ border-color:rgb(171, 152, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 152, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 152, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 152, 60);  
box-shadow:4px 4px 4px 4px rgb(171, 152,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8384, 31.4406, 8.8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 152, 60) }
```

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

```
.background{ background-color: rgb(171,  
152, 60) }
```

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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