

Converting Colors

XYZ(27.4400, 32.7608, 4.8772)

Have a look what the booklet for
XYZ(27.4400, 32.7608, 4.8772)
contains.

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Color

**XYZ(27.4711, 32.8230,
4.8876)**

Conversions

Conversions Part 1

Format	Color
Hex	A2A000
RGB	162, 160, 0
RGB Percent	64%, 63%, 0%
CMY	0.3647, 0.3725, 0.9999
CMYK	0.00, 0.01, 1.00, 0.36
HSL	59°, 100%, 32%
HSV	59°, 100%, 64%
XYZ	27.4711, 32.8230, 4.8876
YIQ	142.3580, 52.5520, -49.3360

Conversions

Conversions Part 2

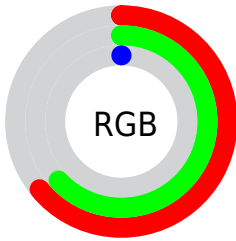
Format	Color
R _Y B	2, 162, 0
Decimal	10657792
CIE Lab	64.02, -14.32, 66.88
CIE LCh	64, 68.397, 102.083
Yxy	32.8230, 0.4215, 0.5036
Android (android.graphics.Color)	4288847872 (0xFFA2A000)
YUV	142.3580, -70.1825, 17.2260
Hunter-Lab	57.2914, -14.6695, 35.0458

Details

The XYZ color **27.4711, 32.8230, 4.8876** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.5435, 2.6523, 34.3492**, and the grayscale version is **26.1097, 27.4695, 29.9142**.

A 20% lighter version of the original color is **54.7978, 63.8032, 15.9057**, and **11.4125, 14.0014, 2.1010** is the 20% darker color. If you saturate the color by 10%, you get **27.4717, 32.8244, 4.8878**, and if you desaturate by 10%, it is **27.6015, 32.9318, 5.4004**.

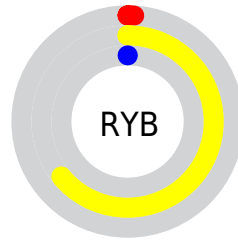
Distribution



Red (64%)

Green (63%)

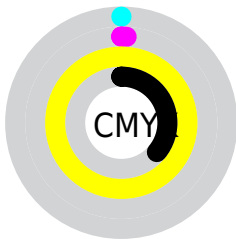
Blue (0%)



Red (1%)

Yellow (64%)

Blue (0%)

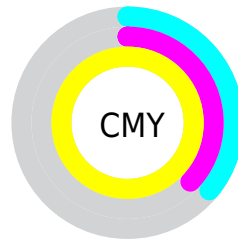


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4711, 32.8230, 4.8876 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 27.4711, 32.8230, 4.8876 by changing the saturation by 10% instead.

■ 27.4711, 32.8230,
4.8876

■ 27.4711, 32.8230,
4.8876

282.0571,
314.8514, 157.6320

■ 18.0658, 21.9909,
2.1239

■ 55.0535, 64.0991,
16.0100

■ 11.0972, 13.8502,
0.6299

■ 73.9612, 85.3119,
25.2057

■ 6.2000, 8.0166,
0.0000

■ 96.7672, 110.7536,
37.3826

■ 3.0089, 4.1055,
0.0000

■ 123.8367,
140.8088, 52.9590

■ 1.1585, 1.7328,
0.0000

■ 155.5350,
175.8618, 72.3537


■ 0.0732, 0.4447,
0.0000


■ 192.2276,


■ 0.0000, 0.0000,

216.2969, 95.9850


0.0000


 234.2799,
262.4987, 124.2716


 27.4711, 32.8230,
4.8876


 27.4711, 32.8230,
4.8876


 27.4717, 32.8244,
4.8878

 27.6015, 32.9318,
5.4004

 27.8074, 33.0696,
6.3137

 28.1220, 33.2510,
7.7991

 28.5593, 33.4816,
9.9302

 29.1311, 33.7661,
12.7695

■ 29.8480, 34.1086,
16.3722

■ 30.7192, 34.5131,
20.7879

■ 31.7536, 34.9828,
26.0623

■ 32.9591, 35.5211,
32.2375

Harmonies

Analogous

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



37.2624, 32.8230, 5.2687



27.4711, 32.8230, 4.8876



20.3381, 32.8230, 9.0239

Triad

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



27.4711, 32.8230, 4.8876



19.3504, 32.8230, 84.5116



52.3992, 32.8230, 54.7117

Complementary

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



27.4711, 32.8230, 4.8876



6.5435, 2.6523, 34.3492

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.



45.3629, 32.8230, 91.4845



27.4711, 32.8230, 4.8876



25.8288, 32.8230, 113.9259

Square

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



27.4711, 32.8230, 4.8876



16.3403, 32.8230, 48.0604



35.2460, 32.8230, 116.9855



53.0930, 32.8230, 25.7265

Rectangle

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



27.4711, 32.8230, 4.8876



17.5030, 32.8230, 16.1818



35.2460, 32.8230, 116.9855



50.6392, 32.8230, 66.8485

Sweetspot

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



27.4718, 32.8245, 4.8883



55.6697, 62.6111, 37.2324



14.9152, 7.6876, 0.7757



12.3542, 13.9934, 7.6062



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.4718, 32.8245, 4.8883



49.8617, 59.5674, 8.8697



16.5503, 27.7118, 4.4770



7.6419, 8.2222, 7.5644



21.6456, 25.8651, 3.8516



0.4570, 0.5479, 0.0817

Inverse Universe

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



6.5435, 2.6523, 34.3492



11.8678, 4.7924, 62.3556



9.6888, 4.2416, 34.4902



6.7071, 6.8733, 8.8762



5.1573, 2.0940, 27.0621



0.1103, 0.0480, 0.5693

Previews

White Background



This preview shows how the XYZ color 27.4711, 32.8230, 4.8876 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 27.4711, 32.8230, 4.8876 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 27.4711, 32.8230, 4.8876

Background



This preview shows how black text looks on a background with the XYZ color 27.4711, 32.8230, 4.8876.



This preview shows how white text looks on a background with the XYZ color 27.4711, 32.8230,

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

27.4711, 32.8230, 4.8876

Protanopia

29.5677, 32.8909, 4.7902

Deuteranopia

33.3635, 32.6691, 5.4115



Tritanopia

34.1059, 32.8036, 37.7919

Trichromacy



Original Color

27.4711, 32.8230, 4.8876

Protanomaly

28.6345, 32.6600, 4.7948

Deuteranomaly

31.0816, 32.6813, 5.1219

Tritanomaly

29.9380, 32.0666, 17.1819

Monochromacy



Original Color

27.4711, 32.8230, 4.8876

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.9873, 28.6226, 13.8806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4711, 32.8230, 4.8876 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(162, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 160, 0)  
}
```

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(162, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 160, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.4711, 32.8230, 4.8876 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(162, 160, 0) }
```


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

```
.border{ border-color:rgb(162, 160, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 160, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 160,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4711, 32.8230, 4.8876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 160, 0) }
```

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

```
.background{ background-color: rgb(162,  
160, 0) }
```

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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