

Converting Colors

XYZ(27.6317, 32.5331, 4.8259)

Have a look what the booklet for
XYZ(27.6317, 32.5331, 4.8259)
contains.

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Color

**XYZ(27.7080, 32.6888,
4.8492)**

Conversions

Conversions Part 1

Format	Color
Hex	A49F00
RGB	164, 159, 0
RGB Percent	64%, 62%, 0%
CMY	0.3569, 0.3765, 0.9999
CMYK	0.00, 0.03, 1.00, 0.36
HSL	58°, 100%, 32%
HSV	58°, 100%, 64%
XYZ	27.7080, 32.6888, 4.8492
YIQ	142.3690, 54.0190, -48.3890

Conversions

Conversions Part 2

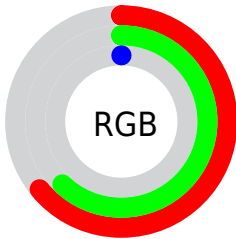
Format	Color
RYB	5, 164, 0
Decimal	10788608
CIELab	63.91, -12.90, 66.88
CIELCh	64, 68.113, 100.917
Yxy	32.6888, 0.4247, 0.5010
Android (android.graphics.Color)	4288978688 (0xFFA49F00)
YUV	142.3690, -70.1879, 18.9704
Hunter-Lab	57.1741, -13.5492, 34.9932

Details

The XYZ color **27.7080, 32.6888, 4.8492** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.7553, 2.7891, 35.3040**, and the grayscale version is **26.1137, 27.4736, 29.9188**.

A 20% lighter version of the original color is **55.4617, 63.7709, 15.8644**, and **11.5469, 13.9133, 2.0769** is the 20% darker color. If you saturate the color by 10%, you get **27.7086, 32.6902, 4.8494**, and if you desaturate by 10%, it is **27.8914, 32.9011, 5.3871**.

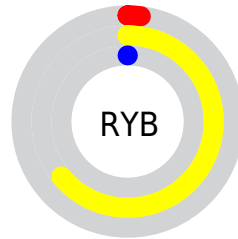
Distribution



Red (64%)

Green (62%)

Blue (0%)



Red (2%)

Yellow (64%)

Blue (0%)

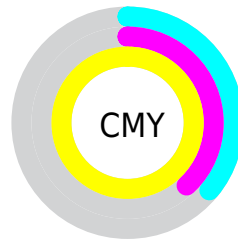


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7080, 32.6888, 4.8492 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 27.7080, 32.6888, 4.8492 by changing the saturation by 10% instead.


 27.7080, 32.6888,
4.8492

 27.7080, 32.6888,
4.8492


283.1744,
314.2451, 157.2423


 18.2450, 21.8882,
2.1019


 55.4298, 63.8894,
15.9252

 11.2268, 13.7747,
0.6169


 74.4193, 85.0581,
25.0910


 6.2880, 7.9642,
0.0000


 97.3151, 110.4516,
37.2333

 3.0633, 4.0720,
0.0000

 124.4824,
140.4543, 52.7707

 1.1873, 1.7139,
0.0000

 156.2866,
175.4506, 72.1218

 0.0963, 0.4327,
0.0000

 193.0931,

 0.0000, 0.0000,

215.8249, 95.7051

0.0000

235.2673,
261.9616, 123.9390

27.7080, 32.6888,
4.8492

27.7080, 32.6888,
4.8492

27.7086, 32.6902,
4.8494

27.8914, 32.9011,
5.3871

28.1531, 33.1441,
6.3388

28.5269, 33.4325,
7.8790

29.0271, 33.7720,
10.0835

29.6661, 34.1675,
13.0168

■ 30.4546, 34.6234,
16.7358

■ 31.4023, 35.1436,
21.2918

■ 32.5183, 35.7316,
26.7317

■ 33.8107, 36.3908,
33.0990

Harmonies

Analogous

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



37.4941, 32.6888, 5.3828



27.7080, 32.6888, 4.8492



20.4933, 32.6888, 8.7486

Triad

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



27.7080, 32.6888, 4.8492



19.1188, 32.6888, 82.5716



51.9476, 32.6888, 55.7914

Complementary

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



27.7080, 32.6888, 4.8492



6.7553, 2.7891, 35.3040

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.



44.7735, 32.6888, 92.2419



27.7080, 32.6888, 4.8492



25.4246, 32.6888, 112.4196

Square

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



27.7080, 32.6888, 4.8492



16.2577, 32.6888, 46.5553



34.6929, 32.6888, 116.6604



52.9105, 32.6888, 26.5019

Rectangle

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



27.7080, 32.6888, 4.8492



17.5848, 32.6888, 15.6052



34.6929, 32.6888, 116.6604



50.1224, 32.6888, 67.9125

Sweetspot

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



27.7087, 32.6903, 4.8499



56.8944, 63.7347, 38.1322



15.3399, 7.9048, 0.8746



12.2819, 13.8488, 7.5821



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.



27.7087, 32.6903, 4.8499



50.2668, 59.2800, 8.7928



17.2502, 28.5998, 4.6115



7.6308, 8.2001, 7.5607



21.2523, 25.0786, 3.7205



0.4519, 0.5376, 0.0800

Inverse Universe

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



6.7553, 2.7891, 35.3040



12.2340, 5.0069, 64.0740



9.7246, 4.2394, 35.4275



6.7170, 6.8929, 8.8795



5.1859, 2.1513, 27.0717



0.1139, 0.0550, 0.5705

Previews

White Background



This preview shows how the XYZ color 27.7080, 32.6888, 4.8492 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 27.7080, 32.6888, 4.8492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

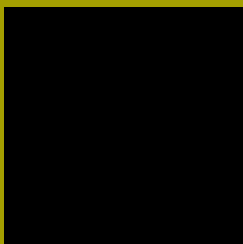
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7080, 32.6888, 4.8492

Background



This preview shows how black text looks on a background with the XYZ color 27.7080, 32.6888, 4.8492.

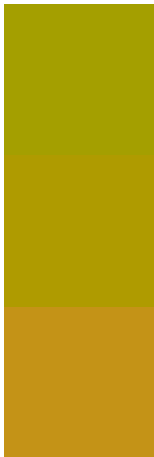


This preview shows how white text looks on a background with the XYZ color 27.7080, 32.6888,

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

27.7080, 32.6888, 4.8492

Protanopia

29.4005, 32.5566, 4.7345

Deuteranopia

33.3533, 32.6651, 5.3577



Tritanopia

34.3035, 32.6817, 37.3011

Trichromacy



Original Color

27.7080, 32.6888, 4.8492

Protanomaly

28.6831, 32.4349, 4.7488

Deuteranomaly

30.9200, 32.3581, 5.0680

Tritanomaly

30.1548, 31.9421, 16.8880

Monochromacy



Original Color

27.7080, 32.6888, 4.8492

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.0130, 28.4020, 13.8367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7080, 32.6888, 4.8492 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(164, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 159, 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(164, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 159, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.7080, 32.6888, 4.8492 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(164, 159, 0) }
```


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

```
.border{ border-color:rgb(164, 159, 0) }
```

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

Here you see how a box with a 4 pixel rgb(164, 159, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 159,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7080, 32.6888, 4.8492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 159, 0) }
```

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

```
.background{ background-color: rgb(164,  
159, 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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