

Converting Colors

XYZ(28.3965, 28.7763, 19.2980)

Have a look what the booklet for
XYZ(28.3965, 28.7763, 19.2980)
contains.

XYZ(28.4730, 28.9218, 19.4110)	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(28.4730, 28.9218,
19.4110)**

Conversions

Conversions Part 1

Format	Color
Hex	A68F70
RGB	166, 143, 112
RGB Percent	65%, 56%, 44%
CMY	0.3490, 0.4392, 0.5608
CMYK	0.00, 0.14, 0.33, 0.35
HSL	34°, 23%, 55%
HSV	34°, 33%, 65%
XYZ	28.4730, 28.9218, 19.4110
YIQ	146.3430, 23.6590, -4.7650

Conversions

Conversions Part 2

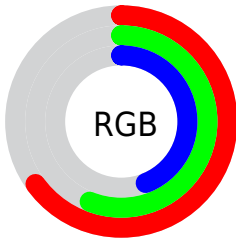
Format	Color
RYB	152, 166, 112
Decimal	10915696
CIELab	60.71, 3.90, 19.70
CIElCh	61, 20.083, 78.808
Yxy	28.9218, 0.3707, 0.3766
Android (android.graphics.Color)	4289105776 (0xFFA68F70)
YUV	146.3430, -16.9311, 17.2392
Hunter-Lab	53.7790, 0.3926, 16.2452

Details

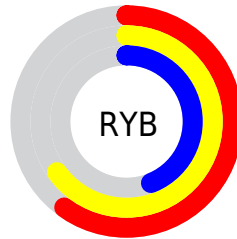
The XYZ color **28.4730, 28.9218, 19.4110** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.2288, 23.5251, 39.4457**, and the grayscale version is **27.5236, 28.9570, 31.5342**.

A 20% lighter version of the original color is **56.7913, 58.1424, 43.3513**, and **11.6498, 11.7096, 6.4967** is the 20% darker color. If you saturate the color by 10%, you get **26.6048, 26.5306, 14.6410**, and if you desaturate by 10%, it is **30.5800, 31.5176, 25.1020**.

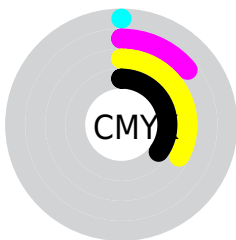
Distribution



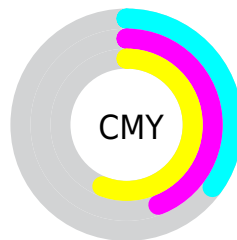
- Red (65%)
- Green (56%)
- Blue (44%)



- Red (60%)
- Yellow (65%)
- Blue (44%)



- Cyan (0%)
- Magenta (14%)
- Yellow (33%)
- Black (35%)



- Cyan (35%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4730, 28.9218, 19.4110 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 28.4730, 28.9218, 19.4110 by changing the saturation by 10% instead.

■ 28.4730, 28.9218,
19.4110

■ 28.4730, 28.9218,
19.4110

286.7595,
296.8458, 261.2063

■ 18.8248, 19.0217,
11.7878

■ 56.6421, 57.9528,
43.2734

■ 11.6470, 11.6859,
6.4786

■ 75.8937, 77.8525,
60.3496

■ 6.5743, 6.5302,
3.0648

■ 99.0772, 101.8541,
81.4140

■ 3.2413, 3.1701,
1.1278

■ 126.5578,
130.3422, 106.8850

■ 1.2826, 1.2212,
0.0000

158.7010,
163.7010, 137.1812

■ 0.1701, 0.0789,
0.0000

195.8721,

■ 0.0000, 0.0000,

202.3149, 172.7211

0.0000

238.4365,
246.5684, 213.9233

■ 28.4730, 28.9218,
19.4110

■ 28.4730, 28.9218,
19.4110

■ 26.6048, 26.5306,
14.6410

■ 30.5800, 31.5176,
25.1020

■ 24.9626, 24.3339,
10.7405

■ 32.9334, 34.3199,
31.7581

■ 23.5356, 22.3262,
7.6554

■ 35.5433, 37.3355,
39.4230

■ 22.3109, 20.5005,
5.3248

■ 38.4183, 40.5697,
48.1369

■ 21.2743, 18.8489,
3.6794

■ 41.5666, 44.0277,
57.9379

■ 20.4086, 17.3623,
2.6364

■ 44.9962, 47.7142,
68.8622

■ 19.8459, 16.3470,
2.1093

■ 48.7147, 51.6340,
80.9443

■ 52.7291, 55.7916,
94.2171

■ 55.9986, 59.7723,
103.1935

Harmonies

Analogous

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



30.9217, 28.9218, 21.8829



28.4730, 28.9218, 19.4110



25.9059, 28.9218, 19.7704

Triad

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



28.4730, 28.9218, 19.4110



23.0154, 28.9218, 36.3457



31.4333, 28.9218, 41.9143

Complementary

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



28.4730, 28.9218, 19.4110



22.2288, 23.5251, 39.4457

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.



29.1359, 28.9218, 47.1149



28.4730, 28.9218, 19.4110



24.3208, 28.9218, 43.5657

Square

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



28.4730, 28.9218, 19.4110



22.8627, 28.9218, 28.7879



26.5285, 28.9218, 47.7629



32.7014, 28.9218, 34.3581

Rectangle

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



28.4730, 28.9218, 19.4110



24.4682, 28.9218, 21.5832



26.5285, 28.9218, 47.7629



30.7493, 28.9218, 44.0438

Sweetspot

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



28.4737, 28.9231, 19.4116



60.8387, 63.5348, 60.7311



25.9217, 21.4562, 25.8451



13.4760, 14.0562, 13.1883



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.



28.4737, 28.9231, 19.4116



49.1941, 49.3320, 28.8371



31.5427, 36.1657, 20.6478



7.8752, 8.2305, 7.9628



15.4365, 12.7703, 1.6513



0.4247, 0.4090, 0.0566

Inverse Universe

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



22.2288, 23.5251, 39.4457



36.0842, 38.0050, 70.9091



19.8268, 18.0275, 38.5112



7.3846, 7.8061, 9.5359



7.1140, 5.6882, 28.6985



0.2242, 0.2405, 0.7153

Previews

White Background



This preview shows how the XYZ color 28.4730, 28.9218, 19.4110 looks on a white background.

Color Contrast Check

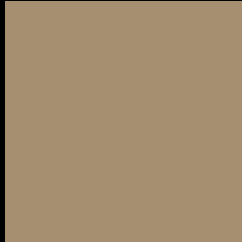
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4730, 28.9218, 19.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

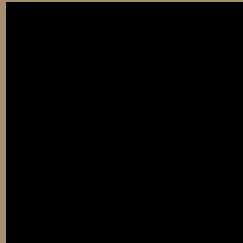
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4730, 28.9218, 19.4110

Background



This preview shows how black text looks on a background with the XYZ color 28.4730, 28.9218, 19.4110.



This preview shows how white text looks on a background with the XYZ color 28.4730, 28.9218,

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

28.4730, 28.9218, 19.4110

Protanopia

27.0264, 28.8406, 20.0619

Deuteranopia

29.4628, 28.9903, 19.3721



Tritanopia

31.0909, 28.8929, 32.3720

Trichromacy



Original Color

28.4730, 28.9218, 19.4110

Protanomaly

27.6032, 28.9166, 19.7494

Deuteranomaly

29.1752, 29.0619, 19.4010

Tritanomaly

30.1842, 28.9688, 27.2932

Monochromacy



Original Color

28.4730, 28.9218, 19.4110

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.5653, 28.7443, 26.6496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4730, 28.9218, 19.4110 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(166, 143, 112)` looks like.

```
.text, #text, p{  
    color:rgb(166, 143, 112)  
}
```

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(166, 143, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 143, 112) }
```

Border

The CSS property to change the border of an element to XYZ 28.4730, 28.9218, 19.4110 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(166, 143, 112) }
```


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

```
.border{ border-color:rgb(166, 143, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 143, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 143, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 143, 112);  
box-shadow:4px 4px 4px 4px rgb(166, 143,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4730, 28.9218, 19.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 143, 112) }
```

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

```
.background{ background-color: rgb(166,  
143, 112) }
```

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