

Converting Colors

XYZ(29.9903, 28.7832, 8.8858)

Have a look what the booklet for
XYZ(29.9903, 28.7832, 8.8858)
contains.

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Color

**XYZ(30.0215, 28.8614,
8.8390)**

Conversions

Conversions Part 1

Format	Color
Hex	B98A40
RGB	185, 138, 64
RGB Percent	73%, 54%, 25%
CMY	0.2745, 0.4588, 0.7490
CMYK	0.00, 0.25, 0.65, 0.27
HSL	37°, 49%, 49%
HSV	37°, 65%, 73%
XYZ	30.0215, 28.8614, 8.8390
YIQ	143.6170, 51.7660, -13.0500

Conversions

Conversions Part 2

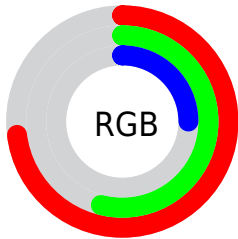
Format	Color
RYB	141, 185, 64
Decimal	12159552
CIELab	60.66, 10.09, 45.57
CIELCh	61, 46.675, 77.520
Yxy	28.8614, 0.4433, 0.4262
Android (android.graphics.Color)	4290349632 (0xFFB98A40)
YUV	143.6170, -39.2512, 36.2929
Hunter-Lab	53.7228, 5.7349, 27.8510

Details

The XYZ color **30.0215, 28.8614, 8.8390** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **16.5555, 15.9610, 48.1070**, and the grayscale version is **26.4940, 27.8738, 30.3546**.

A 20% lighter version of the original color is **59.0335, 57.7325, 24.2517**, and **12.4582, 11.5952, 1.9293** is the 20% darker color. If you saturate the color by 10%, you get **28.5830, 26.6918, 6.1792**, and if you desaturate by 10%, it is **31.7042, 31.2401, 12.4422**.

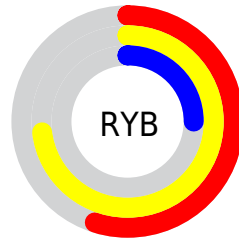
Distribution



Red (73%)

Green (54%)

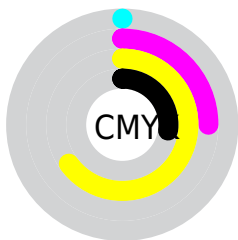
Blue (25%)



Red (55%)

Yellow (73%)

Blue (25%)

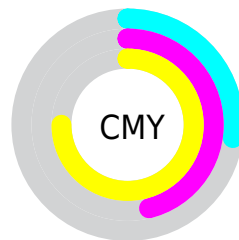


Cyan (0%)

Magenta (25%)

Yellow (65%)

Black (27%)



Cyan (27%)


Magenta (46%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0215, 28.8614, 8.8390 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 30.0215, 28.8614, 8.8390 by changing the saturation by 10% instead.


 30.0215, 28.8614,
8.8390


 30.0215, 28.8614,
8.8390


293.9127,
296.5604, 192.3459


 20.0031, 18.9760,
4.5409


 59.0826, 57.8568,
24.1603


 12.5055, 11.6529,
1.9265


 78.8559, 77.7356,
36.0206


 7.1636, 6.5078,
0.5095


 102.6116,
101.7143, 51.2388

 3.6119, 3.1563,
0.0000

 130.7150,
130.1773, 70.2333

 1.4850, 1.2138,
0.0000

 163.5314,
163.5091, 93.4227

 0.3156, 0.0730,
0.0000

201.4263,

 0.0000, 0.0000,

202.0939, 121.2256

0.0000

244.7649,
246.3162, 154.0605

■ 30.0215, 28.8614,
8.8390

■ 30.0215, 28.8614,
8.8390

■ 28.5830, 26.6918,
6.1792

■ 31.7042, 31.2401,
12.4422

■ 27.3673, 24.7172,
4.3655

■ 33.6459, 33.8324,
17.0695

■ 26.3514, 22.9275,
3.2807

■ 35.8623, 36.6479,
22.7949

■ 25.9290, 22.1573,
2.9102

■ 38.3673, 39.6938,
29.6850

■ 41.1737, 42.9772,
37.8012

■ 44.2932, 46.5047,
47.2003

■ 47.7370, 50.2825,
57.9357

■ 51.5159, 54.3167,
70.0576

■ 55.6397, 58.6130,
83.6139

Harmonies

Analogous

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



36.0553, 28.8614, 12.7112



30.0215, 28.8614, 8.8390



24.0791, 28.8614, 9.1683

Triad

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



30.0215, 28.8614, 8.8390



17.7725, 28.8614, 42.5507



36.9295, 28.8614, 59.6972

Complementary

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



30.0215, 28.8614, 8.8390



16.5555, 15.9610, 48.1070

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.



31.0823, 28.8614, 75.0652



30.0215, 28.8614, 8.8390



20.3063, 28.8614, 62.9290

Square

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



30.0215, 28.8614, 8.8390



17.5752, 28.8614, 24.7657



24.9957, 28.8614, 76.4273



40.4194, 28.8614, 39.1828

Rectangle

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



30.0215, 28.8614, 8.8390



20.9436, 28.8614, 11.7249



24.9957, 28.8614, 76.4273



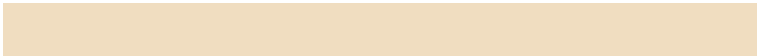
35.1384, 28.8614, 65.9176

Sweetspot

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



30.0222, 28.8628, 8.8396



71.1989, 74.0233, 60.2652



24.7881, 15.1601, 17.0663



15.0514, 15.6079, 12.1363



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.0222, 28.8628, 8.8396



50.3039, 46.3954, 9.6401



35.4858, 43.9408, 11.4619



9.4494, 9.9017, 9.5201



17.7278, 15.2319, 2.0057



0.6831, 0.6533, 0.0901

Inverse Universe

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



16.5555, 15.9610, 48.1070



24.5160, 21.7793, 85.1163



13.5790, 8.7105, 46.8644



8.7995, 9.2762, 11.4061



7.6004, 5.6604, 31.9451



0.3287, 0.3210, 1.1464

Previews

White Background



This preview shows how the XYZ color 30.0215, 28.8614, 8.8390 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 30.0215, 28.8614, 8.8390 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 30.0215, 28.8614, 8.8390

Background



This preview shows how black text looks on a background with the XYZ color 30.0215, 28.8614, 8.8390.



This preview shows how white text looks on a background with the XYZ color 30.0215, 28.8614,

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

30.0215, 28.8614, 8.8390

Protanopia

26.5511, 29.0592, 9.5198

Deuteranopia

29.4494, 28.7805, 8.8535



Tritanopia

34.2021, 28.9351, 28.5933

Trichromacy



Original Color

30.0215, 28.8614, 8.8390

Protanomaly

27.7512, 28.9978, 9.2887

Deuteranomaly

29.6865, 28.9027, 8.8646

Tritanomaly

32.2984, 28.7637, 19.1789

Monochromacy



Original Color

30.0215, 28.8614, 8.8390

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.0656, 27.9547, 20.1889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0215, 28.8614, 8.8390 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(185, 138, 64)` looks like.

```
.text, #text, p{  
    color:rgb(185, 138, 64)  
}
```

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(185, 138, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 138, 64) }
```

Border

The CSS property to change the border of an element to XYZ 30.0215, 28.8614, 8.8390 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(185, 138, 64) }
```


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

```
.border{ border-color:rgb(185, 138, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 138, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 138, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 138, 64);  
box-shadow:4px 4px 4px 4px rgb(185, 138,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0215, 28.8614, 8.8390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 138, 64) }
```

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

```
.background{ background-color: rgb(185,  
138, 64) }
```

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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