

Converting Colors

XYZ(28.2748, 28.4059, 8.0043)

Have a look what the booklet for
XYZ(28.2748, 28.4059, 8.0043)
contains.

XYZ(28.2733, 28.4088, 7.9963)	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(28.2733, 28.4088,
7.9963)**

Conversions

Conversions Part 1

Format	Color
Hex	B18C3A
RGB	177, 140, 58
RGB Percent	69%, 55%, 23%
CMY	0.3059, 0.4510, 0.7725
CMYK	0.00, 0.21, 0.67, 0.31
HSL	41°, 51%, 46%
HSV	41°, 67%, 69%
XYZ	28.2733, 28.4088, 7.9963
YIQ	141.7150, 48.3740, -17.6580

Conversions

Conversions Part 2

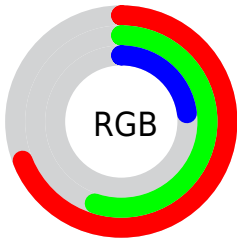
Format	Color
R_{YB}	112, 177, 58
Decimal	11635770
CIE _{Lab}	60.26, 5.08, 47.72
CIE _{LCh}	60, 47.992, 83.923
Yxy	28.4088, 0.4371, 0.4392
Android (android.graphics.Color)	4289825850 (0xFFB18C3A)
YUV	141.7150, -41.2715, 30.9449
Hunter-Lab	53.2999, 1.4117, 28.4150

Details

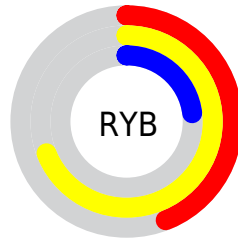
The XYZ color **28.2733, 28.4088, 7.9963** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.7728, 12.2579, 43.2349**, and the grayscale version is **25.7437, 27.0844, 29.4949**.

A 20% lighter version of the original color is **56.4224, 57.0769, 22.5112**, and **11.5468, 11.3795, 1.6166** is the 20% darker color. If you saturate the color by 10%, you get **27.1142, 26.6917, 5.7575**, and if you desaturate by 10%, it is **29.6287, 30.2710, 11.0647**.

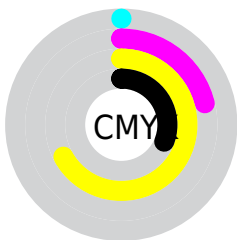
Distribution



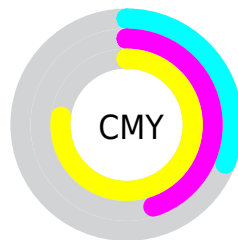
- Red (69%)
- Green (55%)
- Blue (23%)



- Red (44%)
- Yellow (69%)
- Blue (23%)



- Cyan (0%)
- Magenta (21%)
- Yellow (67%)
- Black (31%)





- Cyan (31%)
- Magenta (45%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2733, 28.4088, 7.9963 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 28.2733, 28.4088, 7.9963 by changing the saturation by 10% instead.


 28.2733, 28.4088,
7.9963


 28.2733, 28.4088,
7.9963


285.8270,
294.4152, 185.6365


 18.6733, 18.6340,
4.0048


 56.3261, 57.1365,
22.4972

 11.5370, 11.4062,
1.6280


 75.5096, 76.8581,
33.8438

 6.4992, 6.3407,
0.3107


 98.6182, 100.6643,
48.4791

 3.1945, 3.0533,
0.0000

 126.0175,
128.9392, 66.8218

 1.2574, 1.1596,
0.0000

 158.0726,
162.0674, 89.2903

 0.1510, 0.0284,
0.0000

 195.1490,

 0.0000, 0.0000,

200.4332, 116.3033

0.0000

237.6120,
244.4210, 148.2792

■ 28.2733, 28.4088,
7.9963

■ 28.2733, 28.4088,
7.9963

■ 27.1142, 26.6917,
5.7575

■ 29.6287, 30.2710,
11.0647

■ 26.1323, 25.1077,
4.2589

■ 31.1933, 32.2811,
15.0365

■ 25.3030, 23.6473,
3.3716

■ 32.9810, 34.4465,
19.9791

■ 25.0875, 23.2594,
3.1673

■ 35.0038, 36.7730,
25.9531

■ 37.2727, 39.2658,
33.0141

■ 39.7981, 41.9300,
41.2136

■ 42.5896, 44.7701,
50.5999

■ 45.6563, 47.7906,
61.2184

■ 49.0068, 50.9959,
73.1122

Harmonies

Analogous

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



34.5826, 28.4088, 10.8378



28.2733, 28.4088, 7.9963



22.4839, 28.4088, 9.1515

Triad

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



28.2733, 28.4088, 7.9963



17.5691, 28.4088, 46.8016



37.7334, 28.4088, 55.4741

Complementary

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



28.2733, 28.4088, 7.9963



13.7728, 12.2579, 43.2349

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.



32.0874, 28.4088, 73.3758



28.2733, 28.4088, 7.9963



20.6185, 28.4088, 67.1805

Square

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



28.2733, 28.4088, 7.9963



16.8656, 28.4088, 27.4831



25.7688, 28.4088, 78.3202



40.5530, 28.4088, 34.6587

Rectangle

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



28.2733, 28.4088, 7.9963



19.6000, 28.4088, 12.3869



25.7688, 28.4088, 78.3202



36.0654, 28.4088, 62.3070

Sweetspot

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



28.2740, 28.4102, 7.9969



65.4418, 68.9026, 54.9782



21.7414, 13.2122, 12.3948



13.9397, 14.6664, 11.1581



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.2740, 28.4102, 7.9969



47.6170, 46.3131, 8.7738



30.0387, 38.7364, 9.8970



8.9697, 9.4520, 9.0042



18.2328, 16.9641, 2.3134



0.6228, 0.6320, 0.0892

Inverse Universe

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



13.7728, 12.2579, 43.2349



19.9270, 15.5966, 76.4555



12.7419, 7.8983, 42.4477



8.2504, 8.6469, 10.7405



6.7891, 4.3785, 30.6243



0.2670, 0.2445, 0.9814

Previews

White Background



This preview shows how the XYZ color 28.2733, 28.4088, 7.9963 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 28.2733, 28.4088, 7.9963 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 28.2733, 28.4088, 7.9963

Background



This preview shows how black text looks on a background with the XYZ color 28.2733, 28.4088, 7.9963.



This preview shows how white text looks on a background with the XYZ color 28.2733, 28.4088,

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

28.2733, 28.4088, 7.9963

Protanopia

25.9948, 28.5654, 8.4186

Deuteranopia

28.9083, 28.3062, 7.9430



Tritanopia

32.4525, 28.2230, 28.9364

Trichromacy



Original Color

28.2733, 28.4088, 7.9963

Protanomaly

26.6990, 28.4778, 8.2272

Deuteranomaly

28.8187, 28.4740, 7.9801

Tritanomaly

30.4504, 28.0216, 18.8427

Monochromacy



Original Color

28.2733, 28.4088, 7.9963

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.9117, 27.1660, 18.9168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2733, 28.4088, 7.9963 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(177, 140, 58)` looks like.

```
.text, #text, p{  
    color:rgb(177, 140, 58)  
}
```

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(177, 140, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 140, 58) }
```

Border

The CSS property to change the border of an element to XYZ 28.2733, 28.4088, 7.9963 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(177, 140, 58) }
```


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

```
.border{ border-color:rgb(177, 140, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 140, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 140, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 140, 58);  
box-shadow:4px 4px 4px 4px rgb(177, 140,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2733, 28.4088, 7.9963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 140, 58) }
```

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

```
.background{ background-color: rgb(177,  
140, 58) }
```

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