

Converting Colors

XYZ(28.8663, 28.7258, 7.5132)

Have a look what the booklet for
XYZ(28.8663, 28.7258, 7.5132)
contains.

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Color

**XYZ(28.8663, 28.7258,
7.5132)**

Conversions

Conversions Part 1

Format	Color
Hex	B48C36
RGB	180, 140, 54
RGB Percent	71%, 55%, 21%
CMY	0.2941, 0.4510, 0.7882
CMYK	0.00, 0.22, 0.70, 0.29
HSL	41°, 54%, 46%
HSV	41°, 70%, 71%
XYZ	28.8663, 28.7258, 7.5132
YIQ	142.1560, 51.4460, -18.2660

Conversions

Conversions Part 2

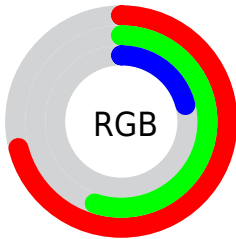
Format	Color
R _Y B	113, 180, 54
Decimal	11832374
CIE Lab	60.54, 6.18, 49.93
CIE LCh	61, 50.312, 82.944
Yxy	28.7258, 0.4434, 0.4412
Android (android.graphics.Color)	4290022454 (0xFFB48C36)
YUV	142.1560, -43.4609, 33.1892
Hunter-Lab	53.5965, 2.3438, 29.2062

Details

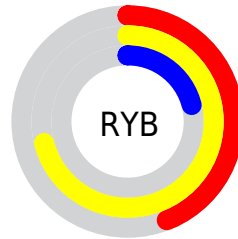
The XYZ color **28.8663, 28.7258, 7.5132** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.7620, 12.0844, 44.7869**, and the grayscale version is **25.9261, 27.2763, 29.7038**.

A 20% lighter version of the original color is **57.2164, 57.5106, 21.4496**, and **11.8245, 11.5233, 1.6010** is the 20% darker color. If you saturate the color by 10%, you get **27.7061, 26.9615, 5.4131**, and if you desaturate by 10%, it is **30.2276, 30.6422, 10.4526**.

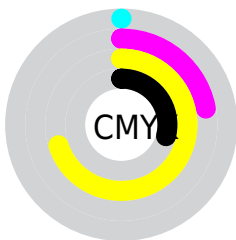
Distribution



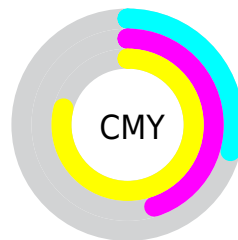
- Red (71%)
- Green (55%)
- Blue (21%)



- Red (44%)
- Yellow (71%)
- Blue (21%)



- Cyan (0%)
- Magenta (22%)
- Yellow (70%)
- Black (29%)





- Cyan (29%)
- Magenta (45%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8663, 28.7258, 7.5132 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 28.8663, 28.7258, 7.5132 by changing the saturation by 10% instead.


 28.8663, 28.7258,
7.5132


 28.8663, 28.7258,
7.5132


288.5892,
295.9190, 181.6520


 19.1235, 18.8735,
3.7018


 57.2636, 57.6411,
21.5286


 11.8641, 11.5789,
1.4632


 76.6488, 77.4730,
32.5697

 6.7227, 6.4576,
0.1903


 99.9789, 101.4001,
46.8578

 3.3341, 3.1253,
0.0000

 127.6191,
129.8069, 64.8115

 1.3328, 1.1975,
0.0000

 159.9349,
163.0778, 86.8491

 0.2076, 0.0597,
0.0000

 197.2916,

 0.0000, 0.0000,

201.5972, 113.3894

0.0000

240.0546,
245.7495, 144.8508

■ 28.8663, 28.7258,
7.5132

■ 28.8663, 28.7258,
7.5132

■ 27.7061, 26.9615,
5.4131

■ 30.2276, 30.6422,
10.4526

■ 26.7262, 25.3364,
4.0542

■ 31.8041, 32.7140,
14.3115

■ 25.8884, 23.8355,
3.2363

■ 33.6108, 34.9493,
19.1623

■ 25.8883, 23.8353,
3.2362

■ 35.6605, 37.3541,
25.0699

■ 37.9651, 39.9342,
32.0934

■ 40.5355, 42.6949,
40.2878

■ 43.3819, 45.6412,
49.7042

■ 46.5142, 48.7778,
60.3907

■ 49.9413, 52.1095,
72.3929

Harmonies

Analogous

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



35.5431, 28.7258, 10.5333



28.8663, 28.7258, 7.5132



22.7172, 28.7258, 8.5462

Triad

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



28.8663, 28.7258, 7.5132



17.3397, 28.7258, 47.3992



38.5343, 28.7258, 58.1668

Complementary

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



28.8663, 28.7258, 7.5132



13.7620, 12.0844, 44.7869

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.



32.4679, 28.7258, 77.1418



28.8663, 28.7258, 7.5132



20.4463, 28.7258, 69.3950

Square

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



28.8663, 28.7258, 7.5132



16.6878, 28.7258, 27.0858



25.7972, 28.7258, 81.9089



41.6707, 28.7258, 35.8808

Rectangle

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



28.8663, 28.7258, 7.5132



19.6464, 28.7258, 11.7187



25.7972, 28.7258, 81.9089



36.7281, 28.7258, 65.4535

Sweetspot

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



28.8670, 28.7272, 7.5138



68.2428, 71.7542, 56.3372



22.2529, 13.1863, 12.4390



14.4986, 15.2302, 11.4027



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.8670, 28.7272, 7.5138



49.2330, 47.2542, 8.3208



31.2851, 40.2795, 9.6161



8.9650, 9.4426, 9.0026



18.1310, 16.7606, 2.2795



0.6201, 0.6267, 0.0883

Inverse Universe

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



13.7620, 12.0844, 44.7869



20.2857, 15.5097, 80.2191



12.4592, 7.4297, 43.9571



8.2548, 8.6559, 10.7420



6.8300, 4.4604, 30.6380



0.2688, 0.2481, 0.9820

Previews

White Background



This preview shows how the XYZ color 28.8663, 28.7258, 7.5132 looks on a white background.

Color Contrast Check

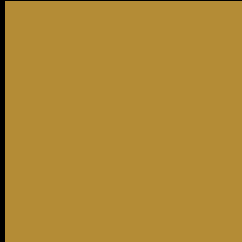
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8663, 28.7258, 7.5132 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 28.8663, 28.7258, 7.5132

Background



This preview shows how black text looks on a background with the XYZ color 28.8663, 28.7258, 7.5132.



This preview shows how white text looks on a background with the XYZ color 28.8663, 28.7258,

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

28.8663, 28.7258, 7.5132

Protanopia

26.2518, 28.9395, 7.9436

Deuteranopia

29.1899, 28.6767, 7.4867



Tritanopia

33.1737, 28.5948, 28.9702

Trichromacy



Original Color

28.8663, 28.7258, 7.5132

Protanomaly

27.0250, 28.6574, 7.7215

Deuteranomaly

28.9545, 28.5553, 7.4757

Tritanomaly

31.0526, 28.3447, 18.3024

Monochromacy



Original Color

28.8663, 28.7258, 7.5132

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.0497, 27.2435, 18.6374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8663, 28.7258, 7.5132 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(180, 140, 54)` looks like.

```
.text, #text, p{  
    color:rgb(180, 140, 54)  
}
```

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(180, 140, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 140, 54) }
```

Border

The CSS property to change the border of an element to XYZ 28.8663, 28.7258, 7.5132 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(180, 140, 54) }
```


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

```
.border{ border-color:rgb(180, 140, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 140, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 140, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 140, 54);  
box-shadow:4px 4px 4px 4px rgb(180, 140,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8663, 28.7258, 7.5132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 140, 54) }
```

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

```
.background{ background-color: rgb(180,  
140, 54) }
```

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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