

Converting Colors

XYZ(28.7662, 28.2844, 7.2941)

Have a look what the booklet for
XYZ(28.7662, 28.2844, 7.2941)
contains.

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Color

**XYZ(28.7871, 28.2578,
7.3052)**

Conversions

Conversions Part 1

Format	Color
Hex	B58A35
RGB	181, 138, 53
RGB Percent	71%, 54%, 21%
CMY	0.2902, 0.4588, 0.7921
CMYK	0.00, 0.24, 0.71, 0.29
HSL	40°, 55%, 46%
HSV	40°, 71%, 71%
XYZ	28.7871, 28.2578, 7.3052
YIQ	141.1670, 52.9130, -17.3190

Conversions

Conversions Part 2

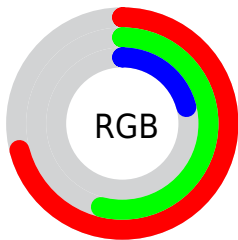
Format	Color
R_{YB}	118, 181, 53
Decimal	11897397
CIE _{Lab}	60.12, 7.67, 49.97
CIE _{LCh}	60, 50.561, 81.270
Yxy	28.2578, 0.4474, 0.4391
Android (android.graphics.Color)	4290087477 (0xFFB58A35)
YUV	141.1670, -43.4663, 34.9335
Hunter-Lab	53.1581, 3.6379, 29.0628

Details

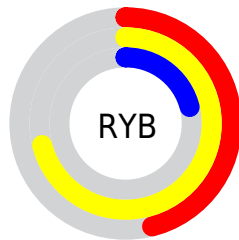
The XYZ color **28.7871, 28.2578, 7.3052** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.9913, 12.4582, 45.3829**, and the grayscale version is **25.5344, 26.8642, 29.2551**.

A 20% lighter version of the original color is **57.0647, 56.7863, 21.0499**, and **11.8019, 11.2645, 1.5522** is the 20% darker color. If you saturate the color by 10%, you get **27.5990, 26.4268, 5.2288**, and if you desaturate by 10%, it is **30.1826, 30.2522, 10.2269**.

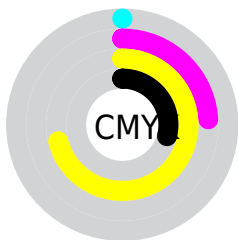
Distribution



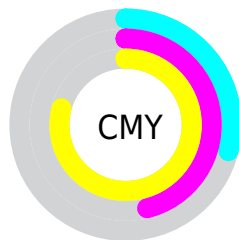
- Red (71%)
- Green (54%)
- Blue (21%)



- Red (46%)
- Yellow (71%)
- Blue (21%)



- Cyan (0%)
- Magenta (24%)
- Yellow (71%)
- Black (29%)





- Cyan (29%)
- Magenta (46%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7871, 28.2578, 7.3052 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 28.7871, 28.2578, 7.3052 by changing the saturation by 10% instead.


 28.7871, 28.2578,
7.3052


 28.7871, 28.2578,
7.3052


288.2215,
293.6967, 179.9022


 19.0633, 18.5201,
3.5724


 57.1386, 56.8958,
21.1078


 11.8203, 11.3240,
1.3938


 76.4969, 76.5648,
32.0147

 6.6928, 6.2852,
0.1369


 99.7975, 100.3131,
46.1501

 3.3153, 3.0193,
0.0000

 127.4057,
128.5250, 63.9324

 1.3226, 1.1418,
0.0000

 159.6869,
161.5849, 85.7802

 0.2001, 0.0134,
0.0000

 197.0063,

 0.0000, 0.0000,

199.8772, 112.1121

0.0000

239.7294,
243.7864, 143.3465

■ 28.7871, 28.2578,
7.3052

■ 28.7871, 28.2578,
7.3052

■ 27.5990, 26.4268,
5.2288

■ 30.1826, 30.2522,
10.2269

■ 26.5966, 24.7458,
3.8969

■ 31.8002, 32.4136,
14.0762

■ 25.7966, 23.3052,
3.1387

■ 33.6552, 34.7506,
18.9272

■ 35.7608, 37.2697,
24.8460

■ 38.1292, 39.9767,
31.8931

■ 40.7718, 42.8775,
40.1245

■ 43.6990, 45.9773,
49.5923

■ 46.9207, 49.2811,
60.3455

■ 50.4466, 52.7939,
72.4306

Harmonies

Analogous

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



35.3995, 28.2578, 10.5294



28.7871, 28.2578, 7.3052



22.6011, 28.2578, 8.1035

Triad

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



28.7871, 28.2578, 7.3052



16.8697, 28.2578, 45.5545



37.7553, 28.2578, 58.8088

Complementary

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



28.7871, 28.2578, 7.3052



13.9913, 12.4582, 45.3829

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.



31.6189, 28.2578, 77.2249



28.7871, 28.2578, 7.3052



19.8148, 28.2578, 67.6799

Square

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



28.7871, 28.2578, 7.3052



16.3600, 28.2578, 25.6803



25.0174, 28.2578, 80.9977



41.0948, 28.2578, 36.4867

Rectangle

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



28.7871, 28.2578, 7.3052



19.4725, 28.2578, 11.0330



25.0174, 28.2578, 80.9977



35.9088, 28.2578, 65.9804

Sweetspot

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



28.7878, 28.2592, 7.3057



68.0061, 71.2807, 56.2583



22.5243, 13.2482, 12.8761



14.4416, 15.1163, 11.3837



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.



28.7878, 28.2592, 7.3057



48.3675, 45.5812, 7.8538



32.0260, 40.9649, 9.5875



8.9518, 9.4161, 8.9982



17.8498, 16.1981, 2.1858



0.6128, 0.6120, 0.0858

Inverse Universe

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



13.9913, 12.4582, 45.3829



20.4055, 15.8722, 80.2828



12.3012, 7.2681, 44.4701



8.2675, 8.6812, 10.7462



6.9508, 4.7020, 30.6782



0.2739, 0.2583, 0.9837

Previews

White Background



This preview shows how the XYZ color 28.7871, 28.2578, 7.3052 looks on a white background.

Color Contrast Check

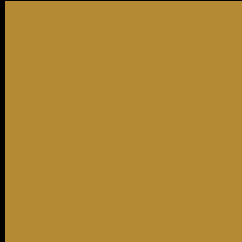
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7871, 28.2578, 7.3052 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 28.7871, 28.2578, 7.3052

Background



This preview shows how black text looks on a background with the XYZ color 28.7871, 28.2578, 7.3052.



This preview shows how white text looks on a background with the XYZ color 28.7871, 28.2578,

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

28.7871, 28.2578, 7.3052

Protanopia

25.7153, 28.2080, 7.7038

Deuteranopia

28.7871, 28.2578, 7.3052



Tritanopia

33.0040, 28.1294, 28.1161

Trichromacy



Original Color

28.7871, 28.2578, 7.3052

Protanomaly

26.7010, 28.0474, 7.4964

Deuteranomaly

28.7871, 28.2578, 7.3052

Tritanomaly

30.9656, 27.8995, 17.9404

Monochromacy



Original Color

28.7871, 28.2578, 7.3052

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.8487, 26.9282, 18.3033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7871, 28.2578, 7.3052 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(181, 138, 53)` looks like.

```
.text, #text, p{  
    color:rgb(181, 138, 53)  
}
```

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(181, 138, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 138, 53) }
```

Border

The CSS property to change the border of an element to XYZ 28.7871, 28.2578, 7.3052 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(181, 138, 53) }
```


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

```
.border{ border-color:rgb(181, 138, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 138, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 138, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 138, 53);  
box-shadow:4px 4px 4px 4px rgb(181, 138,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7871, 28.2578, 7.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 138, 53) }
```

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

```
.background{ background-color: rgb(181,  
138, 53) }
```

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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