

Converting Colors

XYZ(30.2300, 29.5012, 10.1766)

Have a look what the booklet for
XYZ(30.2300, 29.5012, 10.1766)
contains.

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Color

**XYZ(30.2230, 29.5849,
10.2484)**

Conversions

Conversions Part 1

Format	Color
Hex	B78D48
RGB	183, 141, 72
RGB Percent	72%, 55%, 28%
CMY	0.2824, 0.4470, 0.7176
CMYK	0.00, 0.23, 0.61, 0.28
HSL	37°, 44%, 50%
HSV	37°, 61%, 72%
XYZ	30.2230, 29.5849, 10.2484
YIQ	145.6920, 47.1810, -12.5550

Conversions

Conversions Part 2

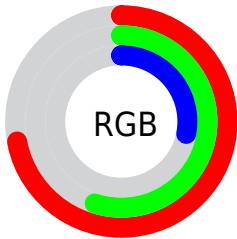
Format	Color
R_{YB}	140, 183, 72
Decimal	12029256
CIE _{Lab}	61.29, 8.11, 42.29
CIE _{LCh}	61, 43.060, 79.146
Yxy	29.5849, 0.4314, 0.4223
Android (android.graphics.Color)	4290219336 (0xFFB78D48)
YUV	145.6920, -36.3302, 32.7191
Hunter-Lab	54.3920, 3.9978, 26.9031

Details

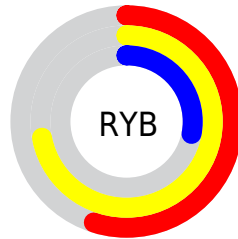
The XYZ color **30.2230, 29.5849, 10.2484** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.2367, 16.8305, 47.1396**, and the grayscale version is **27.3266, 28.7497, 31.3084**.

A 20% lighter version of the original color is **59.4849, 58.8909, 26.9708**, and **12.6481, 12.0561, 2.4710** is the 20% darker color. If you saturate the color by 10%, you get **28.7236, 27.4035, 7.2289**, and if you desaturate by 10%, it is **31.9654, 31.9679, 14.2260**.

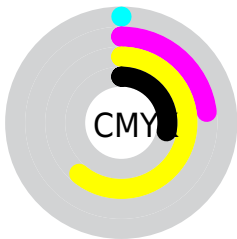
Distribution



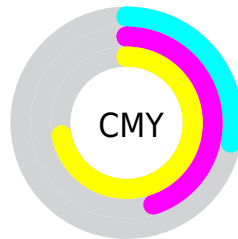
- Red (72%)
- Green (55%)
- Blue (28%)



- Red (55%)
- Yellow (72%)
- Blue (28%)



- Cyan (0%)
- Magenta (23%)
- Yellow (61%)
- Black (28%)





- Cyan (28%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2230, 29.5849, 10.2484 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 30.2230, 29.5849, 10.2484 by changing the saturation by 10% instead.


 30.2230, 29.5849,
10.2484


 30.2230, 29.5849,
10.2484


294.8337,
299.9648, 202.9847


 20.1568, 19.5237,
5.4562


 59.3989, 59.0051,
26.8768


 12.6180, 12.0493,
2.4540


 79.2393, 79.1329,
39.5500


 7.2412, 6.7773,
0.8156


 103.0685,
103.3851, 55.6874

 3.6611, 3.3232,
0.0000

 131.2518,
132.1460, 75.7074

 1.5122, 1.3027,
0.0000

 164.1547,
165.8000, 100.0286

 0.3341, 0.1433,
0.0000

202.1424,

 0.0000, 0.0000,

204.7315, 129.0695

0.0000

245.5803,
249.3250, 163.2487

■ 30.2230, 29.5849,
10.2484

■ 30.2230, 29.5849,
10.2484

■ 28.7236, 27.4035,
7.2289

■ 31.9654, 31.9679,
14.2260

■ 27.4475, 25.4105,
5.0797

■ 33.9640, 34.5563,
19.2358

■ 26.3750, 23.5974,
3.6991

■ 36.2335, 37.3587,
25.3463

■ 25.5191, 22.0487,
2.9108

■ 38.7868, 40.3819,
32.6199

■ 41.6357, 43.6325,
41.1139

■ 44.7914, 47.1165,
50.8822

■ 48.2644, 50.8398,
61.9751

■ 52.0646, 54.8078,
74.4403

■ 56.2017, 59.0260,
88.3233

Harmonies

Analogous

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



35.8715, 29.5849, 13.8967



30.2230, 29.5849, 10.2484



24.6930, 29.5849, 10.8027

Triad

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



30.2230, 29.5849, 10.2484



19.0261, 29.5849, 43.5779



37.1988, 29.5849, 57.2596

Complementary

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



30.2230, 29.5849, 10.2484



17.2367, 16.8305, 47.1396

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.



31.8492, 29.5849, 71.6311



30.2230, 29.5849, 10.2484



21.5736, 29.5849, 62.0736

Square

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



30.2230, 29.5849, 10.2484



18.7133, 29.5849, 26.6836



26.1161, 29.5849, 73.6406



40.2442, 29.5849, 38.4578

Rectangle

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



30.2230, 29.5849, 10.2484



21.7828, 29.5849, 13.5580



26.1161, 29.5849, 73.6406



35.5795, 29.5849, 63.0045

Sweetspot

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



30.2237, 29.5863, 10.2490



70.6213, 73.6591, 61.8075



24.9145, 15.9297, 17.8461



15.2846, 15.9060, 12.7330



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.



30.2237, 29.5863, 10.2490



50.5879, 47.7738, 11.4100



34.6915, 42.8863, 12.5807



9.4570, 9.9169, 9.5226



17.8704, 15.5171, 2.0532



0.6876, 0.6622, 0.0916

Inverse Universe

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



17.2367, 16.8305, 47.1396



25.3443, 23.0542, 83.3498



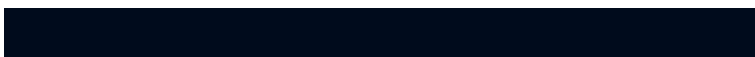
14.6066, 9.9829, 45.9565



8.7921, 9.2614, 11.4037



7.5190, 5.4977, 31.9179



0.3255, 0.3146, 1.1453

Previews

White Background



This preview shows how the XYZ color 30.2230, 29.5849, 10.2484 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 30.2230, 29.5849, 10.2484 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 30.2230, 29.5849, 10.2484

Background



This preview shows how black text looks on a background with the XYZ color 30.2230, 29.5849, 10.2484.



This preview shows how white text looks on a background with the XYZ color 30.2230, 29.5849,

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

30.2230, 29.5849, 10.2484

Protanopia

27.1358, 29.5667, 10.7553

Deuteranopia

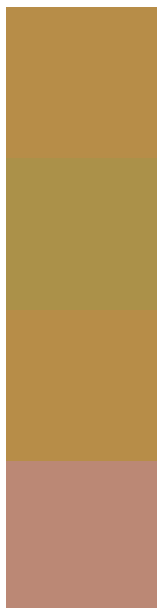
30.2230, 29.5849, 10.2484



Tritanopia

34.3317, 29.5770, 29.8861

Trichromacy



Original Color

30.2230, 29.5849, 10.2484

Protanomaly

28.1226, 29.3898, 10.4939

Deuteranomaly

30.2230, 29.5849, 10.2484

Tritanomaly

32.5086, 29.4575, 20.8021

Monochromacy



Original Color

30.2230, 29.5849, 10.2484

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.6011, 28.6494, 21.5279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2230, 29.5849, 10.2484 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(183, 141, 72)` looks like.

```
.text, #text, p{  
    color:rgb(183, 141, 72)  
}
```

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(183, 141, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 141, 72) }
```

Border

The CSS property to change the border of an element to XYZ 30.2230, 29.5849, 10.2484 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(183, 141, 72) }
```


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

```
.border{ border-color:rgb(183, 141, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 141, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 141, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 141, 72);  
box-shadow:4px 4px 4px 4px rgb(183, 141,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2230, 29.5849, 10.2484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 141, 72) }
```

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

```
.background{ background-color: rgb(183,  
141, 72) }
```

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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