

Converting Colors

XYZ(28.5686, 26.5709, 12.2183)

Have a look what the booklet for
XYZ(28.5686, 26.5709, 12.2183)
contains.

XYZ(28.5784, 26.5918, 12.2208)	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(28.5784, 26.5918,
12.2208)**

Conversions

Conversions Part 1

Format	Color
Hex	B48355
RGB	180, 131, 85
RGB Percent	71%, 51%, 33%
CMY	0.2941, 0.4863, 0.6667
CMYK	0.00, 0.27, 0.53, 0.29
HSL	29°, 39%, 52%
HSV	29°, 53%, 71%
XYZ	28.5784, 26.5918, 12.2208
YIQ	140.4070, 43.9700, -3.9180

Conversions

Conversions Part 2

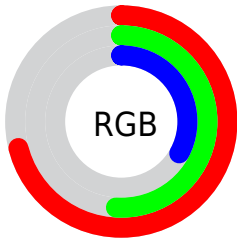
Format	Color
R_{YB}	180, 174, 85
Decimal	11830101
CIE _{Lab}	58.59, 13.44, 32.14
CIE _{LCh}	59, 34.834, 67.306
Yxy	26.5918, 0.4241, 0.3946
Android (android.graphics.Color)	4290020181 (0xFFB48355)
YUV	140.4070, -27.3157, 34.7231
Hunter-Lab	51.5672, 8.6815, 22.0461

Details

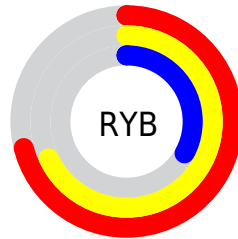
The XYZ color **28.5784, 26.5918, 12.2208** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.5092, 22.2758, 46.3986**, and the grayscale version is **25.1774, 26.4886, 28.8461**.

A 20% lighter version of the original color is **56.7736, 54.2074, 30.3925**, and **11.6793, 10.4596, 3.2371** is the 20% darker color. If you saturate the color by 10%, you get **26.7609, 23.9593, 8.5246**, and if you desaturate by 10%, it is **30.6909, 29.5231, 16.9133**.

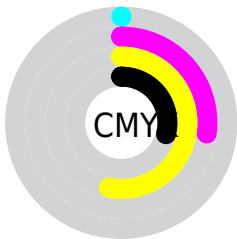
Distribution



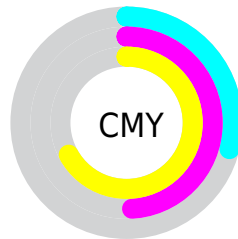
- Red (71%)
- Green (51%)
- Blue (33%)



- Red (71%)
- Yellow (68%)
- Blue (33%)



- Cyan (0%)
- Magenta (27%)
- Yellow (53%)
- Black (29%)





- Cyan (29%)
- Magenta (49%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5784, 26.5918, 12.2208 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 28.5784, 26.5918, 12.2208 by changing the saturation by 10% instead.


 28.5784, 26.5918,
12.2208


 28.5784, 26.5918,
12.2208


287.2507,
285.6752, 216.8911


 18.9048, 17.2669,
6.7699


 56.8088, 54.2281,
30.5670

 11.7051, 10.4250,
3.2423


 76.0963, 73.3084,
44.2994


 6.6140, 5.6816,
1.2197


 99.3191, 96.4091,
61.6293

 3.2660, 2.6525,
0.0000

 126.8426,
123.9149, 82.9753

 1.2960, 0.9531,
0.0000

 159.0322,
156.2099, 108.7559

 0.1802, 0.0000,
0.0000

196.2531,

 0.0000, 0.0000,

193.6788, 139.3898

0.0000

238.8709,
236.7057, 175.2953

■ 28.5784, 26.5918,
12.2208

■ 28.5784, 26.5918,
12.2208

■ 26.7609, 23.9593,
8.5246

■ 30.6909, 29.5231,
16.9133

■ 25.2194, 21.6103,
5.7479

■ 33.1117, 32.7600,
22.6677

■ 23.9353, 19.5335,
3.8052

■ 35.8559, 36.3138,
29.5461

■ 22.8863, 17.7149,
2.5939

■ 38.9364, 40.1940,
37.6049

■ 22.2440, 16.5466,
2.0214

■ 42.3659, 44.4096,
46.8971

■ 46.1559, 48.9693,
57.4721

■ 50.3177, 53.8812,
69.3769

■ 54.8618, 59.1533,
82.6558

■ 59.7984, 64.7934,
97.3513

Harmonies

Analogous

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



32.3881, 26.5918, 16.9078



28.5784, 26.5918, 12.2208



24.2444, 26.5918, 11.3261

Triad

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



28.5784, 26.5918, 12.2208



17.9708, 26.5918, 32.0499



30.5875, 26.5918, 51.9883

Complementary

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



28.5784, 26.5918, 12.2208



20.5092, 22.2758, 46.3986

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.



26.3338, 26.5918, 59.1200



28.5784, 26.5918, 12.2208



19.2875, 26.5918, 45.6814

Square

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



28.5784, 26.5918, 12.2208



18.4282, 26.5918, 20.7926



22.2360, 26.5918, 56.5344



33.6362, 26.5918, 39.0123

Rectangle

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



28.5784, 26.5918, 12.2208



21.6904, 26.5918, 12.6765



22.2360, 26.5918, 56.5344



29.2336, 26.5918, 55.2938

Sweetspot

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



28.5790, 26.5931, 12.2213



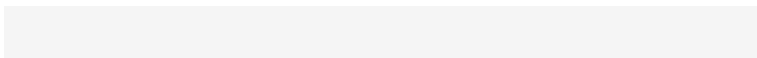
68.5763, 70.3520, 62.8267



26.3799, 17.9241, 24.6543



14.5767, 14.8972, 12.9368



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.



28.5790, 26.5931, 12.2213



48.1320, 42.8606, 14.7106



36.4655, 42.3659, 14.8501



8.8246, 9.1618, 8.9558



15.5917, 11.6821, 1.4331



0.5491, 0.4846, 0.0646

Inverse Universe

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



20.5092, 22.2758, 46.3986



31.9518, 34.1961, 83.2111



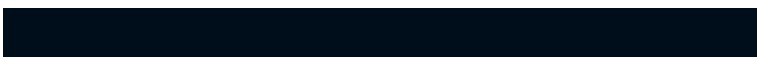
15.3593, 11.9760, 44.6819



8.3923, 8.9308, 10.7878



8.5392, 7.8787, 31.2077



0.3268, 0.3641, 1.0013

Previews

White Background



This preview shows how the XYZ color 28.5784, 26.5918, 12.2208 looks on a white background.

Color Contrast Check

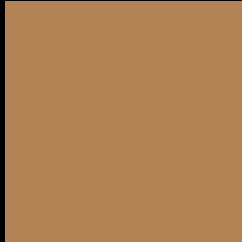
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5784, 26.5918, 12.2208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

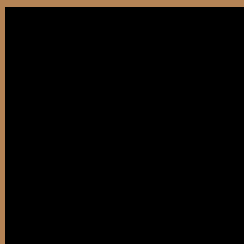
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5784, 26.5918, 12.2208

Background



This preview shows how black text looks on a background with the XYZ color 28.5784, 26.5918, 12.2208.



This preview shows how white text looks on a background with the XYZ color 28.5784, 26.5918,

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

28.5784, 26.5918, 12.2208

Protanopia

24.6545, 26.6410, 13.2940

Deuteranopia

27.0588, 26.6260, 12.1007



Tritanopia

31.4039, 26.5788, 26.0293

Trichromacy



Original Color

28.5784, 26.5918, 12.2208

Protanomaly

25.8114, 26.3824, 12.9644

Deuteranomaly

27.5809, 26.6890, 12.0853

Tritanomaly

30.2702, 26.5070, 20.0439

Monochromacy



Original Color

28.5784, 26.5918, 12.2208

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.8534, 26.2159, 21.4669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5784, 26.5918, 12.2208 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, 131, 85)` looks like.

```
.text, #text, p{  
    color:rgb(180, 131, 85)  
}
```

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, 131, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 131, 85) }
```

Border

The CSS property to change the border of an element to XYZ 28.5784, 26.5918, 12.2208 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, 131, 85) }
```


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

```
.border{ border-color:rgb(180, 131, 85) }
```

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

Here you see how a box with a 4 pixel rgb(180, 131, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 131, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 131, 85);  
box-shadow:4px 4px 4px 4px rgb(180, 131,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5784, 26.5918, 12.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 131, 85) }
```

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

```
.background{ background-color: rgb(180,  
131, 85) }
```

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