

Converting Colors

XYZ(29.3885, 28.7557, 13.0617)

Have a look what the booklet for
XYZ(29.3885, 28.7557, 13.0617)
contains.

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Color

**XYZ(29.3130, 28.6183,
12.9958)**

Conversions

Conversions Part 1

Format	Color
Hex	B28B57
RGB	178, 139, 87
RGB Percent	70%, 55%, 34%
CMY	0.3020, 0.4549, 0.6588
CMYK	0.00, 0.22, 0.51, 0.30
HSL	34°, 37%, 52%
HSV	34°, 51%, 70%
XYZ	29.3130, 28.6183, 12.9958
YIQ	144.7330, 39.9360, -7.9040

Conversions

Conversions Part 2

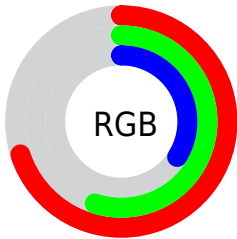
Format	Color
R_{YB}	155, 178, 87
Decimal	11701079
CIE Lab	60.44, 8.32, 33.33
CIE LCh	60, 34.349, 75.988
Yxy	28.6183, 0.4133, 0.4035
Android (android.graphics.Color)	4289891159 (0xFFB28B57)
YUV	144.7330, -28.4624, 29.1752
Hunter-Lab	53.4961, 4.1904, 23.0439

Details

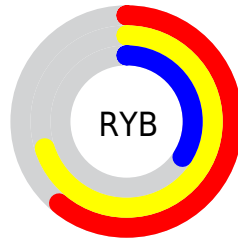
The XYZ color **29.3130, 28.6183, 12.9958** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.4270, 20.1616, 44.9870**, and the grayscale version is **26.9063, 28.3075, 30.8269**.

A 20% lighter version of the original color is **58.0292, 57.3671, 32.0593**, and **12.1238, 11.5089, 3.5899** is the 20% darker color. If you saturate the color by 10%, you get **27.6075, 26.2311, 9.2712**, and if you desaturate by 10%, it is **31.2763, 31.2341, 17.6916**.

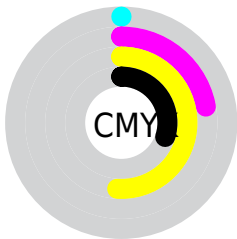
Distribution



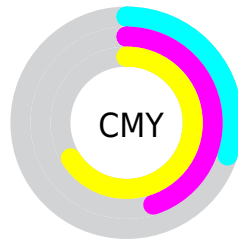
- Red (70%)
- Green (55%)
- Blue (34%)



- Red (61%)
- Yellow (70%)
- Blue (34%)



- Cyan (0%)
- Magenta (22%)
- Yellow (51%)
- Black (30%)





- Cyan (30%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3130, 28.6183, 12.9958 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 29.3130, 28.6183, 12.9958 by changing the saturation by 10% instead.


 29.3130, 28.6183,
12.9958


 29.3130, 28.6183,
12.9958


290.6566,
295.4097, 222.0976

 19.4632, 18.7923,
7.2950


 57.9681, 57.4701,
31.9873

 12.1114, 11.5203,
3.5660


 77.5042, 77.2646,
46.1151


 6.8924, 6.4179,
1.3904


 100.9997,
101.1508, 63.8889

 3.4406, 3.1008,
0.1342

 128.8200,
129.5130, 85.7273

 1.3908, 1.1846,
0.0000

 161.3305,
162.7355, 112.0488

 0.2497, 0.0491,
0.0000

198.8965,

 0.0000, 0.0000,

201.2029, 143.2720

0.0000

241.8834,
245.2995, 179.8154

■ 29.3130, 28.6183,
12.9958

■ 29.3130, 28.6183,
12.9958

■ 27.6075, 26.2311,
9.2712

■ 31.2763, 31.2341,
17.6916

■ 26.1427, 24.0600,
6.4448

■ 33.5089, 34.0822,
23.4209

■ 24.9024, 22.0969,
4.4361

■ 36.0239, 37.1715,
30.2427

■ 23.8668, 20.3313,
3.1489

■ 38.8331, 40.5087,
38.2111

■ 23.0841, 18.9131,
2.4339

■ 41.9472, 44.1006,
47.3766

■ 45.3765, 47.9534,
57.7865

■ 49.1309, 52.0731,
69.4858

■ 53.2195, 56.4655,
82.5170

■ 57.6514, 61.1363,
96.9208

Harmonies

Analogous

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



33.5499, 28.6183, 16.7178



29.3130, 28.6183, 12.9958



24.9244, 28.6183, 13.1176

Triad

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



29.3130, 28.6183, 12.9958



19.8152, 28.6183, 38.3641



33.7891, 28.6183, 51.3384

Complementary

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



29.3130, 28.6183, 12.9958



19.4270, 20.1616, 44.9870

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.



29.6118, 28.6183, 60.9389



29.3130, 28.6183, 12.9958



21.7080, 28.6183, 52.1715

Square

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



29.3130, 28.6183, 12.9958



19.7538, 28.6183, 25.6259



25.1927, 28.6183, 61.2796



36.3175, 28.6183, 37.4395

Rectangle

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



29.3130, 28.6183, 12.9958



22.5020, 28.6183, 15.3122



25.1927, 28.6183, 61.2796



32.5121, 28.6183, 55.3228

Sweetspot

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



29.3137, 28.6197, 12.9964



68.2482, 70.9014, 63.0574



25.5624, 17.7992, 21.9742



14.8856, 15.4291, 13.3048



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.



29.3137, 28.6197, 12.9964



49.7988, 47.1849, 16.2676



34.6393, 41.2919, 15.1617



8.8860, 9.2844, 8.9763



16.5804, 13.6594, 1.7626



0.5782, 0.5428, 0.0743

Inverse Universe

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



19.4270, 20.1616, 44.9870



29.9298, 30.2119, 80.6352



15.9653, 12.3618, 43.6639



8.3314, 8.8090, 10.7675



7.6726, 6.1457, 30.9188



0.2998, 0.3100, 0.9923

Previews

White Background



This preview shows how the XYZ color 29.3130, 28.6183, 12.9958 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 29.3130, 28.6183, 12.9958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

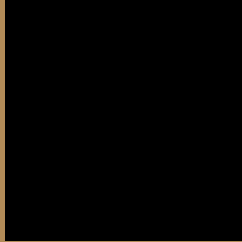
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3130, 28.6183, 12.9958

Background



This preview shows how black text looks on a background with the XYZ color 29.3130, 28.6183, 12.9958.



This preview shows how white text looks on a background with the XYZ color 29.3130, 28.6183,

12.9958.

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

29.3130, 28.6183, 12.9958

Protanopia

26.4224, 28.6669, 13.8135

Deuteranopia

29.0844, 28.5005, 12.9851



Tritanopia

32.6622, 28.5228, 29.3752

Trichromacy



Original Color

29.3130, 28.6183, 12.9958

Protanomaly

27.3515, 28.4732, 13.5055

Deuteranomaly

29.0844, 28.5005, 12.9851

Tritanomaly

31.2329, 28.5568, 22.2782

Monochromacy



Original Color

29.3130, 28.6183, 12.9958

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.3652, 28.2683, 23.0828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3130, 28.6183, 12.9958 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(178, 139, 87)` looks like.

```
.text, #text, p{  
    color:rgb(178, 139, 87)  
}
```

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(178, 139, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 139, 87) }
```

Border

The CSS property to change the border of an element to XYZ 29.3130, 28.6183, 12.9958 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(178, 139, 87) }
```


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

```
.border{ border-color:rgb(178, 139, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 139, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 139, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 139, 87);  
box-shadow:4px 4px 4px 4px rgb(178, 139,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3130, 28.6183, 12.9958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 139, 87) }
```

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

```
.background{ background-color: rgb(178,  
139, 87) }
```

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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