

Converting Colors

XYZ(29.9136, 28.9022, 6.0856)

Have a look what the booklet for
XYZ(29.9136, 28.9022, 6.0856)
contains.

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Color

**XYZ(29.9822, 28.9018,
6.0962)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8A29
RGB	187, 138, 41
RGB Percent	73%, 54%, 16%
CMY	0.2667, 0.4588, 0.8392
CMYK	0.00, 0.26, 0.78, 0.27
HSL	40°, 64%, 45%
HSV	40°, 78%, 73%
XYZ	29.9822, 28.9018, 6.0962
YIQ	141.5930, 60.3410, -19.7790

Conversions

Conversions Part 2

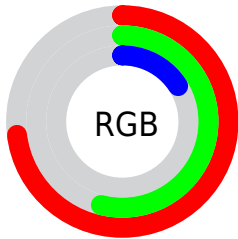
Format	Color
R_{YB}	115, 187, 41
Decimal	12290601
CIE Lab	60.69, 9.78, 55.72
CIE LCh	61, 56.573, 80.041
Yxy	28.9018, 0.4614, 0.4448
Android (android.graphics.Color)	4290480681 (0xFFBB8A29)
YUV	141.5930, -49.5923, 39.8219
Hunter-Lab	53.7604, 5.4689, 30.9090

Details

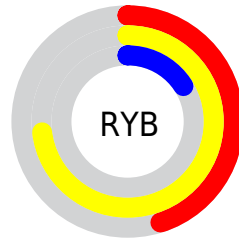
The XYZ color **29.9822, 28.9018, 6.0962** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.5401, 11.3713, 48.4946**, and the grayscale version is **25.7239, 27.0636, 29.4722**.

A 20% lighter version of the original color is **59.0090, 57.8439, 18.6446**, and **12.5430, 11.6466, 1.5869** is the 20% darker color. If you saturate the color by 10%, you get **28.8558, 27.0531, 4.4754**, and if you desaturate by 10%, it is **31.3169, 30.9194, 8.5514**.

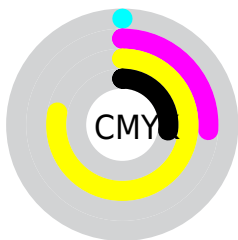
Distribution



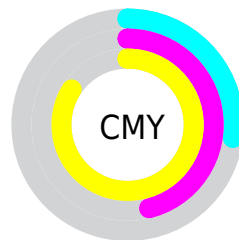
- Red (73%)
- Green (54%)
- Blue (16%)



- Red (45%)
- Yellow (73%)
- Blue (16%)



- Cyan (0%)
- Magenta (26%)
- Yellow (78%)
- Black (27%)





- Cyan (27%)
- Magenta (46%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9822, 28.9018, 6.0962 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 29.9822, 28.9018, 6.0962 by changing the saturation by 10% instead.


 29.9822, 28.9018,
6.0962


 29.9822, 28.9018,
6.0962


293.7328,
296.7513, 169.2625


 19.9731, 19.0065,
2.8339


 59.0208, 57.9210,
18.6113


 12.4836, 11.6750,
1.0105


 78.7811, 77.8138,
28.7013

 7.1485, 6.5228,
0.0000


 102.5224,
101.8079, 41.9042

 3.6023, 3.1655,
0.0000

 130.6102,
130.2876, 58.6387

 1.4797, 1.2187,
0.0000

 163.4098,
163.6374, 79.3232

 0.3120, 0.0769,
0.0000

 201.2865,

 0.0000, 0.0000,

202.2417, 104.3763

0.0000

244.6057,
246.4849, 134.2166

■ 29.9822, 28.9018,
6.0962

■ 29.9822, 28.9018,
6.0962

■ 28.8558, 27.0531,
4.4754

■ 31.3169, 30.9194,
8.5514

■ 27.9043, 25.3551,
3.5268

■ 32.8783, 33.1111,
11.9420

■ 27.7317, 25.0415,
3.3719

■ 34.6843, 35.4866,
16.3561

■ 36.7505, 38.0534,
21.8711

■ 39.0908, 40.8184,
28.5571

■ 41.7182, 43.7880,
36.4781

■ 44.6447, 46.9681,
45.6936

■ 47.8815, 50.3645,
56.2591

■ 51.4392, 53.9826,
68.2269

Harmonies

Analogous

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



37.5598, 28.9018, 9.5526



29.9822, 28.9018, 6.0962



22.9151, 28.9018, 6.7322

Triad

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



29.9822, 28.9018, 6.0962



16.2371, 28.9018, 47.4392



39.7604, 28.9018, 65.1896

Complementary

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



29.9822, 28.9018, 6.0962



13.5401, 11.3713, 48.4946

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.



32.5923, 28.9018, 86.7076



29.9822, 28.9018, 6.0962



19.3718, 28.9018, 73.6909

Square

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



29.9822, 28.9018, 6.0962



15.7894, 28.9018, 24.9881



25.1028, 28.9018, 90.3687



43.8338, 28.9018, 38.9839

Rectangle

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



29.9822, 28.9018, 6.0962



19.3595, 28.9018, 9.5694



25.1028, 28.9018, 90.3687



37.5789, 28.9018, 73.6252

Sweetspot

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



29.9829, 28.9032, 6.0968



72.1589, 75.5602, 57.5331



23.2226, 12.9253, 11.4195



15.5230, 16.2203, 11.5730



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.9829, 28.9032, 6.0968



50.3924, 46.1660, 6.6897



33.7083, 43.7105, 8.7585



10.0452, 10.5664, 10.0867



19.1763, 17.3913, 2.3462



0.8091, 0.7972, 0.1112

Inverse Universe

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



13.5401, 11.3713, 48.4946



19.9912, 13.9977, 85.8496



11.8063, 6.2275, 47.5931



9.2711, 9.7346, 12.0625



7.4558, 5.0234, 32.9695



0.3535, 0.3198, 1.3119

Previews

White Background



This preview shows how the XYZ color 29.9822, 28.9018, 6.0962 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 29.9822, 28.9018, 6.0962 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 29.9822, 28.9018, 6.0962

Background



This preview shows how black text looks on a background with the XYZ color 29.9822, 28.9018, 6.0962.



This preview shows how white text looks on a background with the XYZ color 29.9822, 28.9018,

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

29.9822, 28.9018, 6.0962

Protanopia

26.3868, 29.0412, 6.5003

Deuteranopia

29.3828, 28.8088, 6.0195



Tritanopia

34.5028, 28.9021, 28.1863

Trichromacy



Original Color

29.9822, 28.9018, 6.0962

Protanomaly

27.6248, 28.9979, 6.3317

Deuteranomaly

29.6232, 28.9327, 6.0307

Tritanomaly

32.1853, 28.5582, 16.6479

Monochromacy



Original Color

29.9822, 28.9018, 6.0962

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.1752, 27.3388, 17.2619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9822, 28.9018, 6.0962 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(187, 138, 41)` looks like.

```
.text, #text, p{  
    color:rgb(187, 138, 41)  
}
```

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(187, 138, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 138, 41) }
```

Border

The CSS property to change the border of an element to XYZ 29.9822, 28.9018, 6.0962 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(187, 138, 41) }
```


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

```
.border{ border-color:rgb(187, 138, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 138, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 138, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 138, 41);  
box-shadow:4px 4px 4px 4px rgb(187, 138,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9822, 28.9018, 6.0962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 138, 41) }
```

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

```
.background{ background-color: rgb(187,  
138, 41) }
```

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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