

Converting Colors

XYZ(29.6702, 29.1289, 8.0616)

Have a look what the booklet for
XYZ(29.6702, 29.1289, 8.0616)
contains.

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Color

**XYZ(29.6702, 29.1289,
8.0616)**

Conversions

Conversions Part 1

Format	Color
Hex	B78C3A
RGB	183, 140, 58
RGB Percent	72%, 55%, 23%
CMY	0.2824, 0.4510, 0.7725
CMYK	0.00, 0.23, 0.68, 0.28
HSL	39°, 52%, 47%
HSV	39°, 68%, 72%
XYZ	29.6702, 29.1289, 8.0616
YIQ	143.5090, 51.9500, -16.3860

Conversions

Conversions Part 2

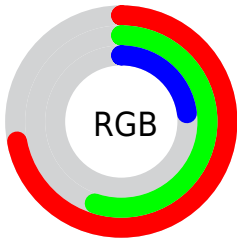
Format	Color
RYB	124, 183, 58
Decimal	12028986
CIELab	60.90, 7.74, 48.60
CIElCh	61, 49.208, 80.956
Yxy	29.1289, 0.4438, 0.4357
Android (android.graphics.Color)	4290219066 (0xFFB78C3A)
YUV	143.5090, -42.1559, 34.6336
Hunter-Lab	53.9712, 3.6792, 28.9238

Details

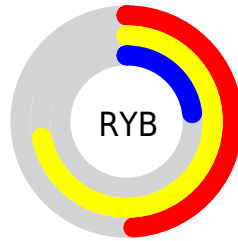
The XYZ color **29.6702, 29.1289, 8.0616** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **14.9456, 13.6252, 46.6416**, and the grayscale version is **26.4618, 27.8399, 30.3176**.

A 20% lighter version of the original color is **58.4482, 58.1213, 22.6060**, and **12.2658, 11.7501, 1.6502** is the 20% darker color. If you saturate the color by 10%, you get **28.3914, 27.1886, 5.7326**, and if you desaturate by 10%, it is **31.1684, 31.2434, 11.2805**.

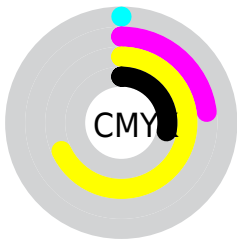
Distribution



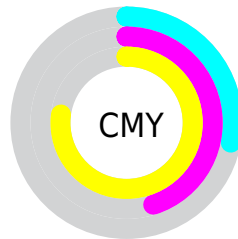
- Red (72%)
- Green (55%)
- Blue (23%)



- Red (49%)
- Yellow (72%)
- Blue (23%)



- Cyan (0%)
- Magenta (23%)
- Yellow (68%)
- Black (28%)





- Cyan (28%)
- Magenta (45%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6702, 29.1289, 8.0616 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 29.6702, 29.1289, 8.0616 by changing the saturation by 10% instead.


 29.6702, 29.1289,
8.0616


 29.6702, 29.1289,
8.0616


292.3016,
297.8227, 186.1670


 19.7352, 19.1784,
4.0461


 58.5304, 58.2818,
22.6273

 12.3099, 11.7992,
1.6506


 78.1864, 78.2530,
34.0145

 7.0288, 6.6071,
0.3266


 101.8134,
102.3331, 48.6960

 3.5266, 3.2176,
0.0000

 129.7769,
130.9067, 67.0904

 1.4380, 1.2464,
0.0000

 162.4420,
164.3580, 89.6161

 0.2830, 0.0991,
0.0000

 200.1743,

 0.0000, 0.0000,

203.0715, 116.6917

0.0000

243.3391,
247.4316, 148.7359

■ 29.6702, 29.1289,
8.0616

■ 29.6702, 29.1289,
8.0616

■ 28.3914, 27.1886,
5.7326

■ 31.1684, 31.2434,
11.2805

■ 27.3106, 25.4093,
4.1942

■ 32.9007, 33.5360,
15.4709

■ 26.3974, 23.7783,
3.2875

■ 34.8824, 36.0152,
20.7070

■ 26.2513, 23.5132,
3.1549

■ 37.1269, 38.6877,
27.0552

■ 39.6465, 41.5597,
34.5765

■ 42.4528, 44.6371,
43.3274

■ 45.5563, 47.9253,
53.3605

■ 48.9674, 51.4296,
64.7257

■ 52.6955, 55.1550,
77.4699

Harmonies

Analogous

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



36.2030, 29.1289, 11.4349



29.6702, 29.1289, 8.0616



23.5059, 29.1289, 8.8469

Triad

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



29.6702, 29.1289, 8.0616



17.6933, 29.1289, 46.0979



38.4102, 29.1289, 59.5694

Complementary

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



29.6702, 29.1289, 8.0616



14.9456, 13.6252, 46.6416

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.



32.3347, 29.1289, 77.4487



29.6702, 29.1289, 8.0616



20.6222, 29.1289, 67.8115

Square

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



29.6702, 29.1289, 8.0616



17.2064, 29.1289, 26.4824



25.7926, 29.1289, 80.9395



41.7370, 29.1289, 37.5982

Rectangle

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



29.6702, 29.1289, 8.0616



20.3643, 29.1289, 11.8228



25.7926, 29.1289, 80.9395



36.5811, 29.1289, 66.5624

Sweetspot

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



29.6709, 29.1303, 8.0622



70.0520, 73.3621, 59.0231



23.4274, 14.0479, 13.9825



15.1882, 15.8816, 12.1819



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.



29.6709, 29.1303, 8.0622



49.8294, 47.0502, 8.7108



33.0586, 42.0913, 10.3853



9.4831, 9.9691, 9.5313



18.3793, 16.5350, 2.2229



0.7031, 0.6933, 0.0968

Inverse Universe

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



14.9456, 13.6252, 46.6416



21.8214, 17.6904, 82.5002



13.1009, 8.0127, 45.6555



8.7669, 9.2111, 11.3953



7.2589, 4.9774, 31.8312



0.3149, 0.2935, 1.1418

Previews

White Background



This preview shows how the XYZ color 29.6702, 29.1289, 8.0616 looks on a white background.

Color Contrast Check

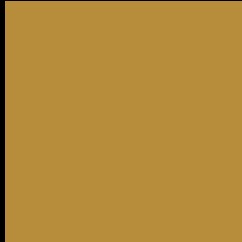
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6702, 29.1289, 8.0616 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 29.6702, 29.1289, 8.0616

Background



This preview shows how black text looks on a background with the XYZ color 29.6702, 29.1289, 8.0616.



This preview shows how white text looks on a background with the XYZ color 29.6702, 29.1289,

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

29.6702, 29.1289, 8.0616

Protanopia

26.5592, 29.0862, 8.4893

Deuteranopia

29.6702, 29.1289, 8.0616



Tritanopia

33.9103, 28.9745, 29.0047

Trichromacy



Original Color

29.6702, 29.1289, 8.0616

Protanomaly

27.5573, 28.9202, 8.2674

Deuteranomaly

29.6702, 29.1289, 8.0616

Tritanomaly

31.8879, 28.7627, 18.9100

Monochromacy



Original Color

29.6702, 29.1289, 8.0616

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.9036, 28.1063, 19.6299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6702, 29.1289, 8.0616 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, 140, 58)` looks like.

```
.text, #text, p{  
    color:rgb(183, 140, 58)  
}
```

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, 140, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 140, 58) }
```

Border

The CSS property to change the border of an element to XYZ 29.6702, 29.1289, 8.0616 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, 140, 58) }
```


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

```
.border{ border-color:rgb(183, 140, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 140, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 140, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 140, 58);  
box-shadow:4px 4px 4px 4px rgb(183, 140,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6702, 29.1289, 8.0616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 140, 58) }
```

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

```
.background{ background-color: rgb(183,  
140, 58) }
```

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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