

Converting Colors

XYZ(30.0969, 29.1222, 7.1688)

Have a look what the booklet for
XYZ(30.0969, 29.1222, 7.1688)
contains.

XYZ(30.0799, 29.1434, 7.1718)	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(30.0799, 29.1434,
7.1718)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8B33
RGB	186, 139, 51
RGB Percent	73%, 55%, 20%
CMY	0.2706, 0.4549, 0.8000
CMYK	0.00, 0.25, 0.73, 0.27
HSL	39°, 57%, 46%
HSV	39°, 73%, 73%
XYZ	30.0799, 29.1434, 7.1718
YIQ	143.0210, 56.2600, -17.4040

Conversions

Conversions Part 2

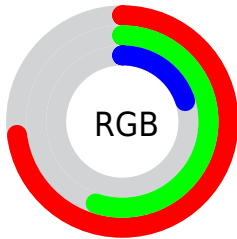
Format	Color
R_{YB}	123, 186, 51
Decimal	12225331
CIE _{Lab}	60.91, 9.23, 51.83
CIE _{LCh}	61, 52.646, 79.898
Yxy	29.1434, 0.4530, 0.4389
Android (android.graphics.Color)	4290415411 (0xFFBA8B33)
YUV	143.0210, -45.3664, 37.6926
Hunter-Lab	53.9846, 4.9860, 29.9126

Details

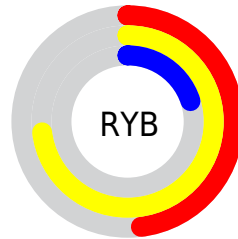
The XYZ color **30.0799, 29.1434, 7.1718** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **14.5956, 12.9838, 48.1910**, and the grayscale version is **26.2773, 27.6458, 30.1062**.

A 20% lighter version of the original color is **59.3039, 58.2714, 20.9538**, and **12.6256, 11.8119, 1.6145** is the 20% darker color. If you saturate the color by 10%, you get **28.8392, 27.1923, 5.1240**, and if you desaturate by 10%, it is **31.5415, 31.2741, 10.1029**.

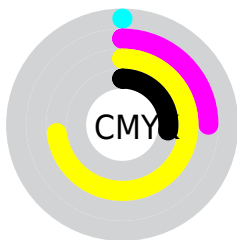
Distribution



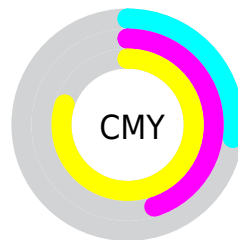
- Red (73%)
- Green (55%)
- Blue (20%)



- Red (48%)
- Yellow (73%)
- Blue (20%)



- Cyan (0%)
- Magenta (25%)
- Yellow (73%)
- Black (27%)





- Cyan (27%)
- Magenta (45%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0799, 29.1434, 7.1718 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 30.0799, 29.1434, 7.1718 by changing the saturation by 10% instead.


 30.0799, 29.1434,
7.1718


 30.0799, 29.1434,
7.1718


294.1799,
297.8910, 178.7684

 20.0476, 19.1893,
3.4897


 59.1743, 58.3048,
20.8367

 12.5381, 11.8072,
1.3498


 78.9671, 78.2810,
31.6566

 7.1861, 6.6125,
0.1021


 102.7441,
102.3666, 45.6929

 3.6261, 3.2210,
0.0000

 130.8707,
130.9462, 63.3641

 1.4929, 1.2482,
0.0000

 163.7122,
164.4040, 85.0887

 0.3210, 0.1005,
0.0000

 201.6340,

 0.0000, 0.0000,

203.1244, 111.2852

0.0000

245.0014,
247.4920, 142.3723

■ 30.0799, 29.1434,
7.1718

■ 30.0799, 29.1434,
7.1718

■ 28.8392, 27.1923,
5.1240

■ 31.5415, 31.2741,
10.1029

■ 27.7955, 25.4061,
3.8474

■ 33.2404, 33.5889,
14.0079

■ 27.1175, 24.1748,
3.2370

■ 35.1934, 36.0971,
18.9680

■ 37.4150, 38.8060,
25.0554

■ 39.9186, 41.7222,
32.3358

■ 42.7164, 44.8521,
40.8697

■ 45.8199, 48.2016,
50.7138

■ 49.2400, 51.7763,
61.9211

■ 52.9869, 55.5816,
74.5415

Harmonies

Analogous

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



37.1002, 29.1434, 10.7132



30.0799, 29.1434, 7.1718



23.4468, 29.1434, 7.8096

Triad

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



30.0799, 29.1434, 7.1718



17.0515, 29.1434, 46.4120



39.0702, 29.1434, 62.8358

Complementary

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



30.0799, 29.1434, 7.1718



14.5956, 12.9838, 48.1910

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.



32.4386, 29.1434, 82.1903



30.0799, 29.1434, 7.1718



20.0389, 29.1434, 70.3099

Square

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



30.0799, 29.1434, 7.1718



16.6329, 29.1434, 25.5535



25.4489, 29.1434, 85.3809



42.8297, 29.1434, 38.8343

Rectangle

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



30.0799, 29.1434, 7.1718



20.0680, 29.1434, 10.6712



25.4489, 29.1434, 85.3809



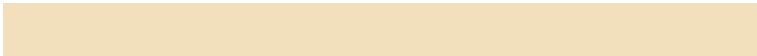
37.0563, 29.1434, 70.4577

Sweetspot

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



30.0806, 29.1448, 7.1724



72.4586, 75.7424, 58.9193



23.6500, 13.6935, 13.0143



15.6725, 16.3541, 12.1325



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.



30.0806, 29.1448, 7.1724



51.1238, 47.3553, 7.7766



33.8299, 43.4367, 9.7334



9.4799, 9.9628, 9.5303



18.3161, 16.4085, 2.2018



0.7012, 0.6895, 0.0961

Inverse Universe

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



14.5956, 12.9838, 48.1910



21.6820, 16.7995, 86.3013



12.6639, 7.2622, 47.1884



8.7700, 9.2172, 11.3963



7.2888, 5.0373, 31.8412



0.3162, 0.2961, 1.1422

Previews

White Background



This preview shows how the XYZ color 30.0799, 29.1434, 7.1718 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 30.0799, 29.1434, 7.1718 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 30.0799, 29.1434, 7.1718

Background



This preview shows how black text looks on a background with the XYZ color 30.0799, 29.1434, 7.1718.



This preview shows how white text looks on a background with the XYZ color 30.0799, 29.1434,

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

30.0799, 29.1434, 7.1718

Protanopia

26.7496, 29.4362, 7.6401

Deuteranopia

29.7428, 29.1855, 7.1977



Tritanopia

34.4545, 29.0652, 28.6051

Trichromacy



Original Color

30.0799, 29.1434, 7.1718

Protanomaly

27.9788, 29.3830, 7.4456

Deuteranomaly

29.9832, 29.3095, 7.2090

Tritanomaly

32.3295, 28.8049, 18.0433

Monochromacy



Original Color

30.0799, 29.1434, 7.1718

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.7855, 27.8427, 18.7143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0799, 29.1434, 7.1718 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(186, 139, 51)` looks like.

```
.text, #text, p{  
    color:rgb(186, 139, 51)  
}
```

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(186, 139, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 139, 51) }
```

Border

The CSS property to change the border of an element to XYZ 30.0799, 29.1434, 7.1718 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(186, 139, 51) }
```


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

```
.border{ border-color:rgb(186, 139, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 139, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 139, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 139, 51);  
box-shadow:4px 4px 4px 4px rgb(186, 139,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0799, 29.1434, 7.1718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 139, 51) }
```

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

```
.background{ background-color: rgb(186,  
139, 51) }
```

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