

Converting Colors

XYZ(27.7206, 29.5690, 1.7912)

Have a look what the booklet for
XYZ(27.7206, 29.5690, 1.7912)
contains.

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Color

**XYZ(28.1834, 29.7879,
4.2642)**

Conversions

Conversions Part 1

Format	Color
Hex	B09200
RGB	176, 146, 0
RGB Percent	69%, 57%, 0%
CMY	0.3098, 0.4274, 1.0000
CMYK	0.00, 0.17, 1.00, 0.31
HSL	50°, 100%, 35%
HSV	50°, 100%, 69%
XYZ	28.1834, 29.7879, 4.2642
YIQ	138.3260, 64.7460, -39.0460

Conversions

Conversions Part 2

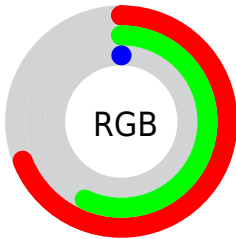
Format	Color
RYB	36, 176, 0
Decimal	11571712
CIELab	61.47, -0.51, 65.65
CIELCh	61, 65.654, 90.444
Yxy	29.7879, 0.4529, 0.4786
Android (android.graphics.Color)	4289761792 (0xFFB09200)
YUV	138.3260, -68.1947, 33.0401
Hunter-Lab	54.5783, -3.3373, 33.5725

Details

The XYZ color **28.1834, 29.7879, 4.2642** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.3010, 4.0635, 41.4208**, and the grayscale version is **24.5187, 25.7956, 28.0914**.

A 20% lighter version of the original color is **56.4160, 59.6093, 14.6632**, and **11.7906, 12.2877, 1.7503** is the 20% darker color. If you saturate the color by 10%, you get **28.1837, 29.7887, 4.2644**, and if you desaturate by 10%, it is **28.7586, 30.7688, 4.9790**.

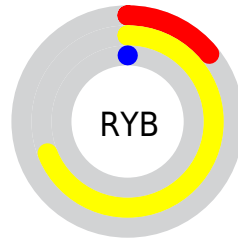
Distribution



Red (69%)

Green (57%)

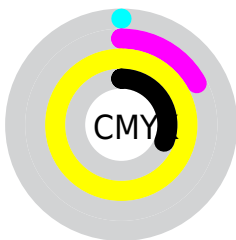
Blue (0%)



Red (14%)

Yellow (69%)

Blue (0%)

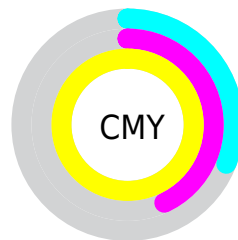


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1834, 29.7879, 4.2642 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 28.1834, 29.7879, 4.2642 by changing the saturation by 10% instead.

■ 28.1834, 29.7879,
4.2642

■ 28.1834, 29.7879,
4.2642

285.4064,
300.9146, 151.1182

■ 18.6051, 19.6777,
1.7714

■ 56.1837, 59.3266,
14.6146

■ 11.4876, 12.1609,
0.4090

■ 75.3365, 79.5238,
23.3093

■ 6.4655, 6.8534,
0.0000

■ 98.4114, 103.8522,
34.9084

■ 3.1735, 3.3706,
0.0000

■ 125.7739,
132.6961, 49.8304

■ 1.2462, 1.3281,
0.0000

■ 157.7893,
166.4398, 68.4938

■ 0.1424, 0.1628,
0.0000

■ 194.8229,

■ 0.0000, 0.0000,

205.4679, 91.3172

0.0000

237.2402,
250.1647, 118.7192

28.1834, 29.7879,
4.2642

28.1834, 29.7879,
4.2642

28.1837, 29.7887,
4.2644

28.7586, 30.7688,
4.9790

29.4398, 31.8105,
6.1950

30.2646, 32.9293,
8.1063

31.2503, 34.1324,
10.8038

32.4117, 35.4256,
14.3645

■ 33.7616, 36.8145,
18.8563

■ 35.3119, 38.3037,
24.3404

■ 37.0731, 39.8977,
30.8726

■ 39.0552, 41.6006,
38.5047

Harmonies

Analogous

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



37.3749, 29.7879, 6.0838



28.1834, 29.7879, 4.2642



20.6659, 29.7879, 6.2060

Triad

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



28.1834, 29.7879, 4.2642



16.2178, 29.7879, 63.2037



45.4651, 29.7879, 62.2083

Complementary

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



28.1834, 29.7879, 4.2642



8.3010, 4.0635, 41.4208

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.



37.6450, 29.7879, 93.6075



28.1834, 29.7879, 4.2642



20.8480, 29.7879, 94.3602

Square

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



28.1834, 29.7879, 4.2642



14.6813, 29.7879, 32.8057



28.4420, 29.7879, 107.6172



48.5100, 29.7879, 32.0651

Rectangle

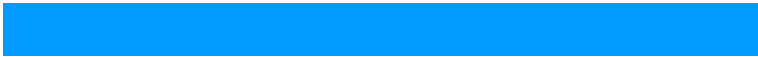
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.1834, 29.7879, 4.2642



17.2902, 29.7879, 10.5154



28.4420, 29.7879, 107.6172



43.2383, 29.7879, 73.4205

Sweetspot

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



28.1841, 29.7894, 4.2648



63.8857, 69.3226, 43.5701



18.1690, 9.3361, 2.2307



13.5866, 14.7787, 8.5166



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.1841, 29.7894, 4.2648



50.9699, 53.7344, 7.6854



23.3085, 35.0629, 5.5396



9.0714, 9.6553, 9.0381



20.7164, 21.9313, 3.1413



0.6843, 0.7551, 0.1097

Inverse Universe

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



8.3010, 4.0635, 41.4208



14.9421, 7.1437, 75.0866



9.4530, 3.9681, 41.3417



8.1552, 8.4565, 10.7088



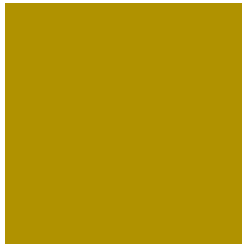
6.1209, 3.0421, 30.4016



0.2281, 0.1667, 0.9684

Previews

White Background



This preview shows how the XYZ color 28.1834, 29.7879, 4.2642 looks on a white background.

Color Contrast Check

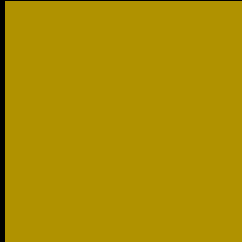
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1834, 29.7879, 4.2642 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 28.1834, 29.7879, 4.2642

Background



This preview shows how black text looks on a background with the XYZ color 28.1834, 29.7879, 4.2642.

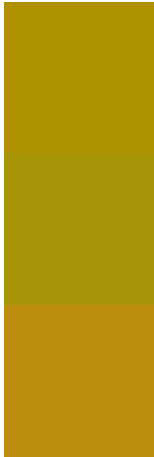


This preview shows how white text looks on a background with the XYZ color 28.1834, 29.7879,

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

28.1834, 29.7879, 4.2642

Protanopia

26.9342, 29.8351, 4.5402

Deuteranopia

30.3501, 29.7756, 4.5996



Tritanopia

33.7596, 29.8740, 31.1811

Trichromacy



Original Color

28.1834, 29.7879, 4.2642

Protanomaly

27.4064, 29.8465, 4.4313

Deuteranomaly

29.6444, 29.8572, 4.4877

Tritanomaly

30.4099, 29.3702, 14.4222

Monochromacy



Original Color

28.1834, 29.7879, 4.2642

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.2352, 26.4297, 13.0566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1834, 29.7879, 4.2642 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(176, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 146, 0)  
}
```

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(176, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 146, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.1834, 29.7879, 4.2642 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(176, 146, 0) }
```


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

```
.border{ border-color:rgb(176, 146, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 146,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1834, 29.7879, 4.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 146, 0) }
```

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

```
.background{ background-color: rgb(176,  
146, 0) }
```

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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