

Converting Colors

XYZ(27.8778, 29.1766, 4.1623)

Have a look what the booklet for
XYZ(27.8778, 29.1766, 4.1623)
contains.

XYZ(27.8778, 29.1766, 4.1623)	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(27.8778, 29.1766,
4.1623)**

Conversions

Conversions Part 1

Format	Color
Hex	B09000
RGB	176, 144, 0
RGB Percent	69%, 56%, 0%
CMY	0.3098, 0.4353, 1.0000
CMYK	0.00, 0.18, 1.00, 0.31
HSL	49°, 100%, 35%
HSV	49°, 100%, 69%
XYZ	27.8778, 29.1766, 4.1623
YIQ	137.1520, 65.2960, -38.0000

Conversions

Conversions Part 2

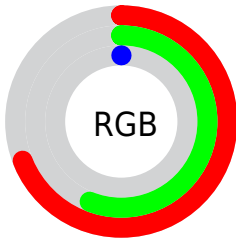
Format	Color
RYB	39, 176, 0
Decimal	11571200
CIELab	60.94, 0.58, 65.28
CIELCh	61, 65.280, 89.489
Yxy	29.1766, 0.4554, 0.4766
Android (android.graphics.Color)	4289761280 (0xFFB09000)
YUV	137.1520, -67.6159, 34.0697
Hunter-Lab	54.0154, -2.4015, 33.2420

Details

The XYZ color **27.8778, 29.1766, 4.1623** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.3532, 4.1680, 41.4384**, and the grayscale version is **24.0672, 25.3205, 27.5741**.

A 20% lighter version of the original color is **55.7280, 58.2333, 14.4339**, and **11.6105, 11.9273, 1.6903** is the 20% darker color. If you saturate the color by 10%, you get **27.8781, 29.1774, 4.1625**, and if you desaturate by 10%, it is **28.4760, 30.2035, 4.8847**.

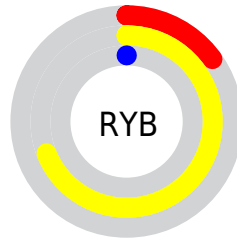
Distribution



Red (69%)

Green (56%)

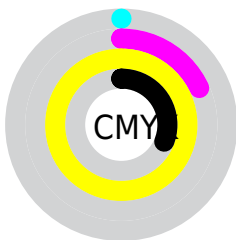
Blue (0%)



Red (15%)

Yellow (69%)

Blue (0%)

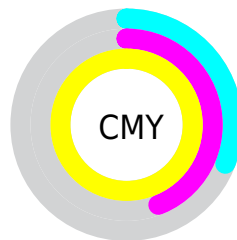


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8778, 29.1766, 4.1623 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 27.8778, 29.1766, 4.1623 by changing the saturation by 10% instead.


 27.8778, 29.1766,
4.1623

 27.8778, 29.1766,
4.1623


283.9732,
298.0473, 150.0126


 18.3735, 19.2145,
1.7148


 55.6993, 58.3576,
14.3824

 11.3198, 11.8253,
0.3708


 74.7472, 78.3451,
22.9920

 6.3513, 6.6249,
0.0000


 97.7071, 102.4434,
34.4928

 3.1025, 3.2286,
0.0000

 124.9443,
131.0366, 49.3033

 1.2082, 1.2522,
0.0000

 156.8242,
164.5092, 67.8419


 0.1128, 0.1038,
0.0000


 193.7120,


 0.0000, 0.0000,


203.2456, 90.5273


0.0000


 235.9733,
247.6301, 117.7781


 27.8778, 29.1766,
4.1623


 27.8778, 29.1766,
4.1623

 27.8781, 29.1774,
4.1625

 28.4760, 30.2035,
4.8847

 29.1819, 31.2945,
6.1089

 30.0330, 32.4660,
8.0290

 31.0467, 33.7250,
10.7357

 32.2377, 35.0775,
14.3063

■ 33.6190, 36.5291,
18.8086

■ 35.2023, 38.0844,
24.3037

■ 36.9983, 39.7481,
30.8475

■ 39.0170, 41.5241,
38.4917

Harmonies

Analogous

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



36.9046, 29.1766, 6.0718



27.8778, 29.1766, 4.1623



20.4259, 29.1766, 5.9341

Triad

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



27.8778, 29.1766, 4.1623



15.7795, 29.1766, 60.9004



44.3684, 29.1766, 62.0253

Complementary

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



27.8778, 29.1766, 4.1623



8.3532, 4.1680, 41.4384

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.



36.5993, 29.1766, 92.5788



27.8778, 29.1766, 4.1623



20.2203, 29.1766, 91.7280

Square

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



27.8778, 29.1766, 4.1623



14.3675, 29.1766, 31.3519



27.5857, 29.1766, 105.5327



47.5424, 29.1766, 32.1885

Rectangle

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



27.8778, 29.1766, 4.1623



17.0511, 29.1766, 10.0032



27.5857, 29.1766, 105.5327



42.1386, 29.1766, 73.0126

Sweetspot

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



27.8785, 29.1780, 4.1629



63.6835, 68.9182, 43.5027



18.1690, 9.3361, 2.2306



13.5374, 14.6803, 8.5002



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.



27.8785, 29.1780, 4.1629



50.4084, 52.6115, 7.4982



23.3085, 35.0630, 5.5396



9.0631, 9.6387, 9.0353



20.4939, 21.4863, 3.0671



0.6790, 0.7444, 0.1079

Inverse Universe

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



8.3532, 4.1680, 41.4384



15.0310, 7.3215, 75.1163



9.4530, 3.9681, 41.3418



8.1628, 8.4718, 10.7113



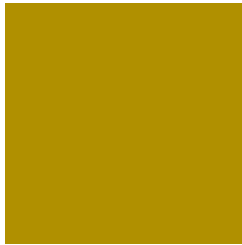
6.1607, 3.1217, 30.4148



0.2312, 0.1730, 0.9694

Previews

White Background



This preview shows how the XYZ color 27.8778, 29.1766, 4.1623 looks on a white background.

Color Contrast Check

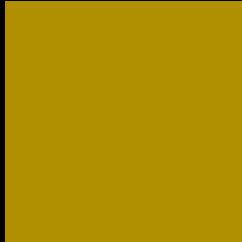
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8778, 29.1766, 4.1623 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 27.8778, 29.1766, 4.1623

Background



This preview shows how black text looks on a background with the XYZ color 27.8778, 29.1766, 4.1623.



This preview shows how white text looks on a background with the XYZ color 27.8778, 29.1766,

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

27.8778, 29.1766, 4.1623

Protanopia

26.3541, 29.3021, 4.4679

Deuteranopia

29.7070, 29.2270, 4.4911



Tritanopia

33.3263, 29.2542, 30.2757

Trichromacy



Original Color

27.8778, 29.1766, 4.1623

Protanomaly

27.0332, 29.4223, 4.3691

Deuteranomaly

28.8656, 29.0146, 4.3374

Tritanomaly

30.0763, 28.7734, 14.0938

Monochromacy



Original Color

27.8778, 29.1766, 4.1623

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.8609, 26.0236, 12.7823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8778, 29.1766, 4.1623 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, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 144, 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, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 144, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.8778, 29.1766, 4.1623 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, 144, 0) }
```


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

```
.border{ border-color:rgb(176, 144, 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, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 144,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8778, 29.1766, 4.1623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 144, 0) }
```

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

```
.background{ background-color: rgb(176,  
144, 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](#).

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