

Converting Colors

XYZ(28.7682, 22.1069, 4.4041)

Have a look what the booklet for
XYZ(28.7682, 22.1069, 4.4041)
contains.

XYZ(28.8219, 22.1701, 4.4292)	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(28.8219, 22.1701,
4.4292)**

Conversions

Conversions Part 1

Format	Color
Hex	C76824
RGB	199, 104, 36
RGB Percent	78%, 41%, 14%
CMY	0.2196, 0.5921, 0.8588
CMYK	0.00, 0.48, 0.82, 0.22
HSL	25°, 69%, 46%
HSV	25°, 82%, 78%
XYZ	28.8219, 22.1701, 4.4292
YIQ	124.6530, 78.4480, -1.0080

Conversions

Conversions Part 2

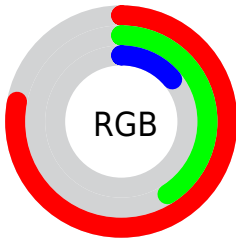
Format	Color
RYB	199, 153, 36
Decimal	13068324
CIELab	54.21, 33.30, 52.26
CIElCh	54, 61.970, 57.496
Yxy	22.1701, 0.5201, 0.4000
Android (android.graphics.Color)	4291258404 (0xFFC76824)
YUV	124.6530, -43.7059, 65.2023
Hunter-Lab	47.0851, 26.8650, 27.3823

Details

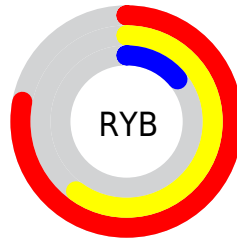
The XYZ color **28.8219, 22.1701, 4.4292** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **19.1519, 20.7297, 57.0242**, and the grayscale version is **19.5007, 20.5163, 22.3422**.

A 20% lighter version of the original color is **54.8488, 45.7251, 14.9518**, and **12.0136, 8.2213, 0.9537** is the 20% darker color. If you saturate the color by 10%, you get **27.5099, 19.9051, 2.8863**, and if you desaturate by 10%, it is **30.4642, 24.8262, 6.9151**.

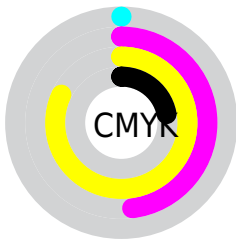
Distribution



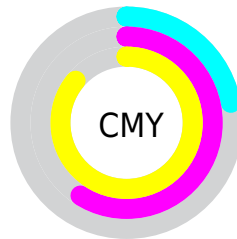
- Red (78%)
- Green (41%)
- Blue (14%)



- Red (78%)
- Yellow (60%)
- Blue (14%)



- Cyan (0%)
- Magenta (48%)
- Yellow (82%)
- Black (22%)





- Cyan (22%)
- Magenta (59%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8219, 22.1701, 4.4292 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 28.8219, 22.1701, 4.4292 by changing the saturation by 10% instead.


 28.8219, 22.1701,
4.4292


 28.8219, 22.1701,
4.4292


288.3831,
263.4333, 152.8827


 19.0897, 13.9819,
1.8636


 57.1935, 47.0270,
14.9881

 11.8395, 8.1081,
0.4694


 76.5637, 64.4645,
23.8185

 6.7059, 4.1642,
0.0000


 99.8772, 85.7539,
35.5743

 3.3236, 1.7658,
0.0000

 127.4995,
111.2796, 50.6740

 1.3271, 0.4657,
0.0000

 159.7959,
141.4260, 69.5362

 0.2034, 0.0000,
0.0000

 197.1317,

 0.0000, 0.0000,

176.5775, 92.5793

0.0000

239.8723,
217.1184, 120.2220

■ 28.8219, 22.1701,
4.4292

■ 28.8219, 22.1701,
4.4292

■ 27.5099, 19.9051,
2.8863

■ 30.4642, 24.8262,
6.9151

■ 26.6481, 18.3323,
2.1340

■ 32.4660, 27.8918,
10.4739

■ 34.8541, 31.3880,
15.2159

■ 37.6519, 35.3330,
21.2372

■ 40.8807, 39.7438,
28.6239

■ 44.5603, 44.6363,
37.4544

■ 48.7088, 50.0258,
47.8014

■ 53.3437, 55.9265,
59.7324

■ 58.4811, 62.3523,
73.3110

Harmonies

Analogous

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



34.7674, 22.1701, 10.7495



28.8219, 22.1701, 4.4292



21.6426, 22.1701, 2.8146

Triad

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



28.8219, 22.1701, 4.4292



10.6044, 22.1701, 22.5558



27.6317, 22.1701, 74.2219

Complementary

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



28.8219, 22.1701, 4.4292



19.1519, 20.7297, 57.0242

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.



20.5115, 22.1701, 83.3532



28.8219, 22.1701, 4.4292



11.5485, 22.1701, 45.6212

Square

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



28.8219, 22.1701, 4.4292



11.9313, 22.1701, 9.1952



14.8531, 22.1701, 70.8496



33.9837, 22.1701, 50.0451

Rectangle

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



28.8219, 22.1701, 4.4292



17.4148, 22.1701, 3.2348



14.8531, 22.1701, 70.8496



25.2085, 22.1701, 79.5742

Sweetspot

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



28.8224, 22.1713, 4.4296



75.7033, 75.0963, 59.9396



28.2863, 15.0448, 22.9155



15.7136, 15.4216, 11.6548



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.8224, 22.1713, 4.4296



46.7752, 32.2857, 3.9129



41.3076, 47.1417, 8.5913



10.9914, 11.3519, 11.1746



17.2178, 11.9527, 1.3996



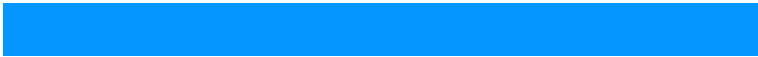
0.8865, 0.7084, 0.0900

Inverse Universe

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



19.1519, 20.7297, 57.0242



29.1384, 29.3021, 98.7278



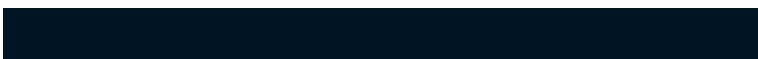
12.1593, 6.7445, 54.6933



10.5615, 11.2971, 13.5414



10.7310, 10.8559, 36.2742



0.5785, 0.6548, 1.7410

Previews

White Background



This preview shows how the XYZ color 28.8219, 22.1701, 4.4292 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 28.8219, 22.1701, 4.4292 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 28.8219, 22.1701, 4.4292

Background



This preview shows how black text looks on a background with the XYZ color 28.8219, 22.1701, 4.4292.



This preview shows how white text looks on a background with the XYZ color 28.8219, 22.1701,

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

28.8219, 22.1701, 4.4292

Protanopia

20.2727, 22.2507, 5.5118

Deuteranopia

22.6024, 22.1423, 4.1812



Tritanopia

31.1305, 22.1054, 15.7227

Trichromacy



Original Color

28.8219, 22.1701, 4.4292

Protanomaly

22.7374, 21.8273, 5.0222

Deuteranomaly

24.6242, 21.9368, 4.2327

Tritanomaly

30.0558, 22.0964, 10.0780

Monochromacy



Original Color

28.8219, 22.1701, 4.4292

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.2860, 20.1883, 13.1308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8219, 22.1701, 4.4292 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(199, 104, 36)` looks like.

```
.text, #text, p{  
    color:rgb(199, 104, 36)  
}
```

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(199, 104, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 104, 36) }
```

Border

The CSS property to change the border of an element to XYZ 28.8219, 22.1701, 4.4292 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(199, 104, 36) }
```


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

```
.border{ border-color:rgb(199, 104, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 104, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 104, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 104, 36);  
box-shadow:4px 4px 4px 4px rgb(199, 104,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8219, 22.1701, 4.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 104, 36) }
```

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

```
.background{ background-color: rgb(199,  
104, 36) }
```

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