

Converting Colors

XYZ(28.7521, 22.2044, 4.7466)

Have a look what the booklet for
XYZ(28.7521, 22.2044, 4.7466)
contains.

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Color

**XYZ(28.7233, 22.2621,
4.7906)**

Conversions

Conversions Part 1

Format	Color
Hex	C66928
RGB	198, 105, 40
RGB Percent	78%, 41%, 16%
CMY	0.2235, 0.5882, 0.8431
CMYK	0.00, 0.47, 0.80, 0.22
HSL	25°, 66%, 47%
HSV	25°, 80%, 78%
XYZ	28.7233, 22.2621, 4.7906
YIQ	125.3970, 76.2930, -0.4990

Conversions

Conversions Part 2

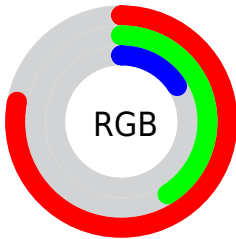
Format	Color
RYB	198, 150, 40
Decimal	13003048
CIELab	54.30, 32.50, 50.61
CIELCh	54, 60.144, 57.293
Yxy	22.2621, 0.5150, 0.3991
Android (android.graphics.Color)	4291193128 (0xFFC66928)
YUV	125.3970, -42.1007, 63.6728
Hunter-Lab	47.1827, 26.0952, 27.0080

Details

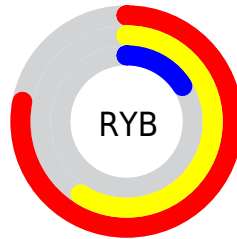
The XYZ color **28.7233, 22.2621, 4.7906** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **19.4550, 21.3021, 56.5121**, and the grayscale version is **19.7473, 20.7757, 22.6247**.

A 20% lighter version of the original color is **55.1424, 46.1121, 15.6671**, and **11.8954, 8.2316, 0.9619** is the 20% darker color. If you saturate the color by 10%, you get **27.3620, 19.9476, 3.0794**, and if you desaturate by 10%, it is **30.4207, 24.9733, 7.4645**.

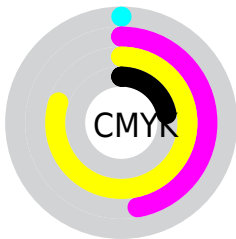
Distribution



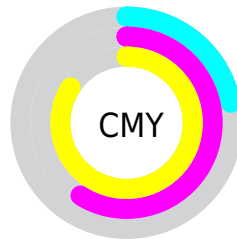
- Red (78%)
- Green (41%)
- Blue (16%)



- Red (78%)
- Yellow (59%)
- Blue (16%)



- Cyan (0%)
- Magenta (47%)
- Yellow (80%)
- Black (22%)





- Cyan (22%)
- Magenta (59%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7233, 22.2621, 4.7906 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 28.7233, 22.2621, 4.7906 by changing the saturation by 10% instead.


 28.7233, 22.2621,
4.7906


 28.7233, 22.2621,
4.7906


287.9250,
263.9120, 156.6447


 19.0148, 14.0496,
2.0683

 57.0378, 47.1788,
15.7956


 11.7851, 8.1552,
0.5968


 76.3745, 64.6518,
24.9154

 6.6686, 4.1944,
0.0000


 99.6514, 85.9805,
37.0048

 3.3002, 1.7829,
0.0000

 127.2337,
111.5491, 52.4823

 1.3144, 0.4765,
0.0000

 159.4869,
141.7422, 71.7666

 0.1940, 0.0000,
0.0000

 196.7762,

 0.0000, 0.0000,

176.9441, 95.2760

0.0000

239.4672,
217.5393, 123.4292

■ 28.7233, 22.2621,
4.7906

■ 28.7233, 22.2621,
4.7906

■ 27.3620, 19.9476,
3.0794

■ 30.4207, 24.9733,
7.4645

■ 26.2854, 17.9958,
2.0997

■ 32.4820, 28.0993,
11.2242

■ 26.2654, 17.9594,
2.0822

■ 34.9333, 31.6609,
16.1753

■ 37.7973, 35.6761,
22.4104

■ 41.0949, 40.1619,
30.0128

■ 44.8455, 45.1342,
39.0589

■ 49.0669, 50.6080,
49.6191

■ 53.7761, 56.5977,
61.7594

■ 58.9893, 63.1170,
75.5417

Harmonies

Analogous

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



34.4465, 22.2621, 11.1735



28.7233, 22.2621, 4.7906



21.7601, 22.2621, 3.1101

Triad

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



28.7233, 22.2621, 4.7906



10.9048, 22.2621, 22.5751



27.4782, 22.2621, 72.5218

Complementary

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



28.7233, 22.2621, 4.7906



19.4550, 21.3021, 56.5121

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.



20.5700, 22.2621, 81.0958



28.7233, 22.2621, 4.7906



11.8219, 22.2621, 44.8345

Square

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



28.7233, 22.2621, 4.7906



12.2302, 22.2621, 9.5031



15.0558, 22.2621, 69.0407



33.6296, 22.2621, 49.4307

Rectangle

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



28.7233, 22.2621, 4.7906



17.6310, 22.2621, 3.5326



15.0558, 22.2621, 69.0407



25.1298, 22.2621, 77.5893

Sweetspot

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



28.7238, 22.2633, 4.7910



76.2812, 75.7982, 61.5313



28.4066, 15.2671, 24.2977



15.8220, 15.5517, 11.9583



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.



28.7238, 22.2633, 4.7910



46.9712, 32.6331, 4.1161



40.4405, 45.6967, 8.6966



10.9863, 11.3417, 11.1729



17.1610, 11.8392, 1.3807



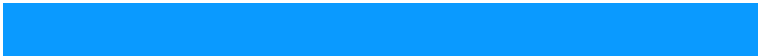
0.8836, 0.7026, 0.0890

Inverse Universe

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



19.4550, 21.3021, 56.5121



29.7801, 30.4906, 98.9234



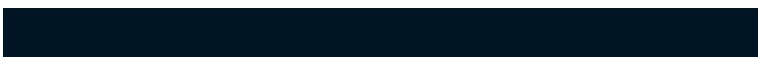
12.4727, 7.3375, 54.1847



10.5667, 11.3075, 13.5431



10.8167, 11.0274, 36.3028



0.5823, 0.6623, 1.7423

Previews

White Background



This preview shows how the XYZ color 28.7233, 22.2621, 4.7906 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 28.7233, 22.2621, 4.7906 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 28.7233, 22.2621, 4.7906

Background



This preview shows how black text looks on a background with the XYZ color 28.7233, 22.2621, 4.7906.



This preview shows how white text looks on a background with the XYZ color 28.7233, 22.2621,

4.7906.

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

28.7233, 22.2621, 4.7906

Protanopia

20.4834, 22.5488, 5.9621

Deuteranopia

22.7920, 22.4176, 4.5646



Tritanopia

31.0049, 22.1728, 16.0102

Trichromacy



Original Color

28.7233, 22.2621, 4.7906

Protanomaly

22.9312, 22.1002, 5.4400

Deuteranomaly

24.5842, 22.0801, 4.6352

Tritanomaly

29.9583, 22.1808, 10.4869

Monochromacy



Original Color

28.7233, 22.2621, 4.7906

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.4477, 20.4404, 13.4047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7233, 22.2621, 4.7906 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(198, 105, 40)` looks like.

```
.text, #text, p{  
    color:rgb(198, 105, 40)  
}
```

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(198, 105, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 105, 40) }
```

Border

The CSS property to change the border of an element to XYZ 28.7233, 22.2621, 4.7906 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(198, 105, 40) }
```


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

```
.border{ border-color:rgb(198, 105, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 105, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 105, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 105, 40);  
box-shadow:4px 4px 4px 4px rgb(198, 105,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7233, 22.2621, 4.7906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 105, 40) }
```

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

```
.background{ background-color: rgb(198,  
105, 40) }
```

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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