

Converting Colors

XYZ(28.9864, 22.7277, 3.7788)

Have a look what the booklet for
XYZ(28.9864, 22.7277, 3.7788)
contains.

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Color

**XYZ(28.9864, 22.7277,
3.7788)**

Conversions

Conversions Part 1

Format	Color
Hex	C76B19
RGB	199, 107, 25
RGB Percent	78%, 42%, 10%
CMY	0.2196, 0.5804, 0.9020
CMYK	0.00, 0.46, 0.87, 0.22
HSL	28°, 78%, 44%
HSV	28°, 87%, 78%
XYZ	28.9864, 22.7277, 3.7788
YIQ	125.1600, 81.1540, -5.9980

Conversions

Conversions Part 2

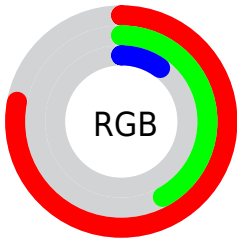
Format	Color
R_{YB}	199, 180, 25
Decimal	13069081
CIE _{Lab}	54.79, 31.42, 56.82
CIE _{LCh}	55, 64.926, 61.055
Yxy	22.7277, 0.5223, 0.4096
Android (android.graphics.Color)	4291259161 (0xFFC76B19)
YUV	125.1600, -49.3789, 64.7577
Hunter-Lab	47.6736, 25.1025, 28.6719

Details

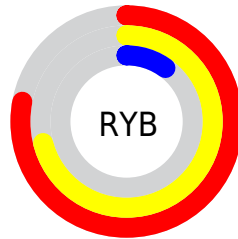
The XYZ color **28.9864, 22.7277, 3.7788** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **17.0706, 17.0519, 56.4242**, and the grayscale version is **19.6898, 20.7152, 22.5588**.

A 20% lighter version of the original color is **55.0133, 46.6063, 13.3041**, and **12.1605, 8.5151, 1.0026** is the 20% darker color. If you saturate the color by 10%, you get **27.8083, 20.6077, 2.6586**, and if you desaturate by 10%, it is **30.4478, 25.1766, 5.7276**.

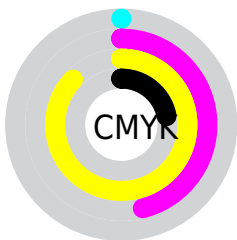
Distribution



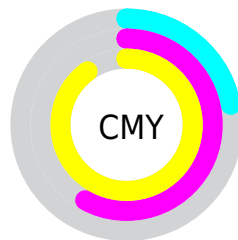
- Red (78%)
- Green (42%)
- Blue (10%)



- Red (78%)
- Yellow (71%)
- Blue (10%)



- Cyan (0%)
- Magenta (46%)
- Yellow (87%)
- Black (22%)





- Cyan (22%)
- Magenta (58%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9864, 22.7277, 3.7788 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 28.9864, 22.7277, 3.7788 by changing the saturation by 10% instead.


 28.9864, 22.7277,
3.7788


 28.9864, 22.7277,
3.7788


289.1461,
266.3233, 145.7341


 19.2148, 14.3926,
1.5048


 57.4532, 47.9458,
13.4963

 11.9305, 8.3942,
0.2215


 76.8790, 65.5976,
21.7769


 6.7682, 4.3482,
0.0000


 100.2537, 87.1237,
32.8967

 3.3626, 1.8702,
0.0000

 127.9425,
112.9086, 47.2744

 1.3483, 0.5304,
0.0000

 160.3108,
143.3366, 65.3284

 0.2189, 0.0000,
0.0000

 197.7239,

 0.0000, 0.0000,

178.7921, 87.4774

0.0000

240.5472,
219.6596, 114.1397

28.9864, 22.7277,
3.7788

28.9864, 22.7277,
3.7788

27.8083, 20.6077,
2.6586

30.4478, 25.1766,
5.7276

27.5369, 20.1096,
2.4302

32.2270, 27.9725,
8.6718

34.3514, 31.1341,
12.7315

36.8444, 34.6776,
18.0093

39.7267, 38.6175,
24.5959

■ 43.0177, 42.9676,
32.5734

■ 46.7350, 47.7409,
42.0170

■ 50.8953, 52.9497,
52.9965

■ 55.5140, 58.6058,
65.5772

Harmonies

Analogous

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



35.6991, 22.7277, 9.4533



28.9864, 22.7277, 3.7788



21.3490, 22.7277, 2.5389

Triad

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



28.9864, 22.7277, 3.7788



10.5400, 22.7277, 25.4811



29.5249, 22.7277, 76.3370

Complementary

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



28.9864, 22.7277, 3.7788



17.0706, 17.0519, 56.4242

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.



21.8570, 22.7277, 88.9553



28.9864, 22.7277, 3.7788



11.8115, 22.7277, 51.2209

Square

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



28.9864, 22.7277, 3.7788



11.6425, 22.7277, 10.1322



15.5921, 22.7277, 77.8888



36.0553, 22.7277, 49.2019

Rectangle

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



28.9864, 22.7277, 3.7788



17.0170, 22.7277, 3.1600



15.5921, 22.7277, 77.8888



26.9445, 22.7277, 82.9254

Sweetspot

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



28.9869, 22.7289, 3.7792



75.9720, 76.0795, 58.6542



27.1590, 14.1407, 18.3756



15.8039, 15.6874, 11.4221



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.



28.9869, 22.7289, 3.7792



47.9781, 34.7362, 4.1760



42.8427, 50.4405, 8.3978



11.0392, 11.4474, 11.1905



17.7932, 13.1035, 1.5914



0.9149, 0.7652, 0.0995

Inverse Universe

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



17.0706, 17.0519, 56.4242



26.6889, 24.4979, 97.9296



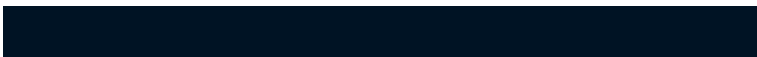
11.1946, 5.2999, 54.4655



10.5131, 11.2002, 13.5252



9.9794, 9.3527, 36.0236



0.5446, 0.5871, 1.7298

Previews

White Background



This preview shows how the XYZ color 28.9864, 22.7277, 3.7788 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 28.9864, 22.7277, 3.7788 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 28.9864, 22.7277, 3.7788

Background



This preview shows how black text looks on a background with the XYZ color 28.9864, 22.7277, 3.7788.



This preview shows how white text looks on a background with the XYZ color 28.9864, 22.7277,

3.7788.

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

28.9864, 22.7277, 3.7788

Protanopia

20.7113, 22.8974, 4.6244

Deuteranopia

23.1143, 22.7961, 3.4690



Tritanopia

31.5681, 22.7324, 16.6339

Trichromacy



Original Color

28.9864, 22.7277, 3.7788

Protanomaly

23.2411, 22.4701, 4.2746

Deuteranomaly

24.9248, 22.4563, 3.4728

Tritanomaly

30.2772, 22.6538, 9.7980

Monochromacy



Original Color

28.9864, 22.7277, 3.7788

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.2305, 20.3535, 12.2609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9864, 22.7277, 3.7788 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, 107, 25)` looks like.

```
.text, #text, p{  
    color:rgb(199, 107, 25)  
}
```

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, 107, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 107, 25) }
```

Border

The CSS property to change the border of an element to XYZ 28.9864, 22.7277, 3.7788 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, 107, 25) }
```


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

```
.border{ border-color:rgb(199, 107, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 107, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 107, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 107, 25);  
box-shadow:4px 4px 4px 4px rgb(199, 107,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9864, 22.7277, 3.7788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 107, 25) }
```

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

```
.background{ background-color: rgb(199,  
107, 25) }
```

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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