

Converting Colors

XYZ(27.7364, 20.4506, 2.6837)

Have a look what the booklet for
XYZ(27.7364, 20.4506, 2.6837)
contains.

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Color

**XYZ(27.7744, 20.5232,
2.6985)**

Conversions

Conversions Part 1

Format	Color
Hex	C76007
RGB	199, 96, 7
RGB Percent	78%, 38%, 3%
CMY	0.2196, 0.6235, 0.9725
CMYK	0.00, 0.52, 0.96, 0.22
HSL	28°, 93%, 40%
HSV	28°, 96%, 78%
XYZ	27.7744, 20.5232, 2.6985
YIQ	116.6510, 89.9570, -5.8430

Conversions

Conversions Part 2

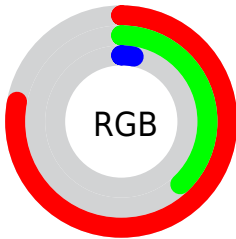
Format	Color
R_{YB}	199, 173, 7
Decimal	13066247
CIE Lab	52.42, 36.87, 59.66
CIE LCh	52, 70.133, 58.286
Yxy	20.5232, 0.5446, 0.4024
Android (android.graphics.Color)	4291256327 (0xFFC76007)
YUV	116.6510, -54.0579, 72.2201
Hunter-Lab	45.3025, 30.1566, 28.1801

Details

The XYZ color **27.7744, 20.5232, 2.6985** 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 **15.9720, 15.3200, 56.1476**, and the grayscale version is **16.9437, 17.8261, 19.4126**.

A 20% lighter version of the original color is **52.8430, 42.8451, 10.7950**, and **11.4582, 7.3573, 0.8162** is the 20% darker color. If you saturate the color by 10%, you get **27.4017, 19.8395, 2.3852**, and if you desaturate by 10%, it is **28.9743, 22.6699, 3.8797**.

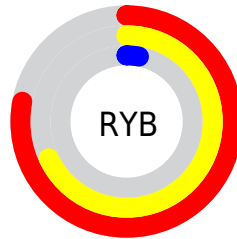
Distribution



Red (78%)

Green (38%)

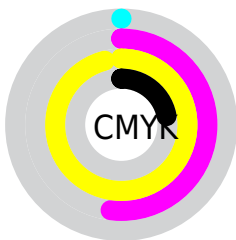
Blue (3%)



Red (78%)

Yellow (68%)

Blue (3%)

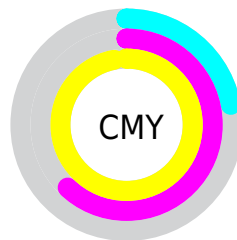


Cyan (0%)

Magenta (52%)

Yellow (96%)

Black (22%)



Cyan (22%)


Magenta (62%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7744, 20.5232, 2.6985 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 27.7744, 20.5232, 2.6985 by changing the saturation by 10% instead.


 27.7744, 20.5232,
2.6985

 27.7744, 20.5232,
2.6985


283.4870,
254.7336, 132.4228


 18.2953, 12.7759,
0.9427


 55.5352, 44.2926,
10.8749


 11.2631, 7.2744,
0.0000


 74.5476, 61.0836,
18.1328

 6.3127, 3.6343,
0.0000


 97.4685, 81.6579,
28.0618

 3.0786, 1.4712,
0.0000

 124.6631,
106.4000, 41.0805

 1.1955, 0.2683,
0.0000

 156.4969,
135.6942, 57.6074


 0.1028, 0.0000,
0.0000


 193.3353,


 0.0000, 0.0000,


169.9249, 78.0610


0.0000


 235.5435,
209.4766, 102.8600


 27.7744, 20.5232,
2.6985


 27.7744, 20.5232,
2.6985


 27.4017, 19.8395,
2.3852

 28.9743, 22.6699,
3.8797

 30.4651, 25.1516,
5.9178

 32.2806, 27.9904,
8.9652

 34.4474, 31.2041,
13.1398

 36.9888, 34.8091,
18.5429

■ 39.9257, 38.8201,
25.2645

■ 43.2773, 43.2514,
33.3858

■ 47.0614, 48.1161,
42.9816

■ 51.2946, 53.4268,
54.1213

Harmonies

Analogous

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



34.5059, 20.5232, 8.2813



27.7744, 20.5232, 2.6985



19.9258, 20.5232, 1.4930

Triad

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



27.7744, 20.5232, 2.6985



8.6413, 20.5232, 21.1754



26.8720, 20.5232, 79.0192

Complementary

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



27.7744, 20.5232, 2.6985



15.9720, 15.3200, 56.1476

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.



19.0935, 20.5232, 90.5421



27.7744, 20.5232, 2.6985



9.6395, 20.5232, 47.0519

Square

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



27.7744, 20.5232, 2.6985



9.9020, 20.5232, 7.2612



13.0678, 20.5232, 76.2849



33.9008, 20.5232, 50.5255

Rectangle

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



27.7744, 20.5232, 2.6985



15.4581, 20.5232, 1.8462



13.0678, 20.5232, 76.2849



24.2068, 20.5232, 85.5664

Sweetspot

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



27.7748, 20.5243, 2.6988



73.9703, 73.3677, 54.0057



26.5873, 13.4774, 16.7056



15.2899, 14.9857, 10.2450



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.



27.7748, 20.5243, 2.6988



47.7431, 34.2662, 4.0977



41.8750, 48.7247, 7.3989



11.0323, 11.4338, 11.1882



17.7059, 12.9290, 1.5623



0.9107, 0.7568, 0.0981

Inverse Universe

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



15.9720, 15.3200, 56.1476



26.9660, 25.0519, 98.0220



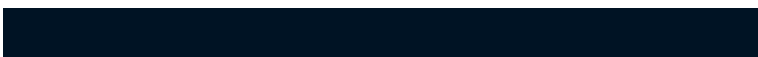
10.5908, 4.5574, 54.3538



10.5200, 11.2140, 13.5275



10.0814, 9.5567, 36.0576



0.5493, 0.5964, 1.7313

Previews

White Background



This preview shows how the XYZ color 27.7744, 20.5232, 2.6985 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 27.7744, 20.5232, 2.6985 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 27.7744, 20.5232, 2.6985

Background



This preview shows how black text looks on a background with the XYZ color 27.7744, 20.5232, 2.6985.



This preview shows how white text looks on a background with the XYZ color 27.7744, 20.5232,

2.6985.

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

27.7744, 20.5232, 2.6985

Protanopia

18.7337, 20.7195, 3.6280

Deuteranopia

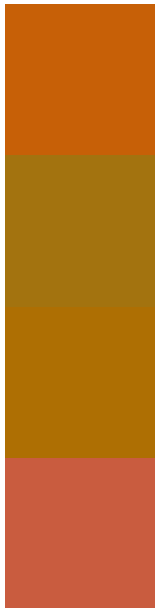
20.8949, 20.5646, 2.8681



Tritanopia

29.9951, 20.5275, 13.2078

Trichromacy



Original Color

27.7744, 20.5232, 2.6985

Protanomaly

21.3212, 20.0825, 3.2045

Deuteranomaly

23.1564, 20.3741, 2.7983

Tritanomaly

28.8117, 20.4307, 7.1276

Monochromacy



Original Color

27.7744, 20.5232, 2.6985

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.8408, 17.6761, 9.4400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7744, 20.5232, 2.6985 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, 96, 7)` looks like.

```
.text, #text, p{  
    color:rgb(199, 96, 7)  
}
```

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, 96, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 96, 7) }
```

Border

The CSS property to change the border of an element to XYZ 27.7744, 20.5232, 2.6985 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, 96, 7) }
```


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

```
.border{ border-color:rgb(199, 96, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 96, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 96, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 96, 7);  
box-shadow:4px 4px 4px 4px rgb(199, 96, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.7744, 20.5232, 2.6985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 96, 7) }
```

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

```
.background{ background-color: rgb(199, 96,  
7) }
```

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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