

Converting Colors

XYZ(27.6266, 17.2408, 1.8717)

Have a look what the booklet for
XYZ(27.6266, 17.2408, 1.8717)
contains.

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Color

**XYZ(27.7393, 17.2797,
1.8733)**

Conversions

Conversions Part 1

Format	Color
Hex	CF4300
RGB	207, 67, 0
RGB Percent	81%, 26%, 0%
CMY	0.1882, 0.7372, 1.0000
CMYK	0.00, 0.68, 1.00, 0.19
HSL	19°, 100%, 41%
HSV	19°, 100%, 81%
XYZ	27.7393, 17.2797, 1.8733
YIQ	101.2220, 104.9470, 8.8430

Conversions

Conversions Part 2

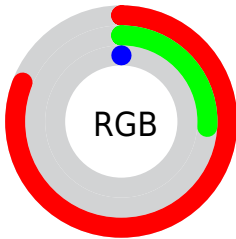
Format	Color
R_{YB}	207, 99, 0
Decimal	13583104
CIE _{Lab}	48.61, 53.16, 59.77
CIE _{LCh}	49, 79.990, 48.346
Yxy	17.2797, 0.5916, 0.3685
Android (android.graphics.Color)	4291773184 (0xFFCF4300)
YUV	101.2220, -49.9024, 92.7673
Hunter-Lab	41.5689, 46.3693, 26.4263

Details

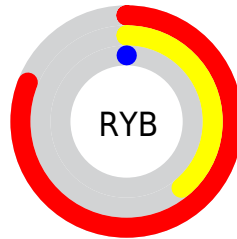
The XYZ color **27.7393, 17.2797, 1.8733** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **20.6395, 23.2592, 62.4327**, and the grayscale version is **12.5342, 13.1869, 14.3605**.

A 20% lighter version of the original color is **48.9890, 35.4948, 8.4069**, and **11.5016, 5.9293, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **27.7395, 17.2805, 1.8734**, and if you desaturate by 10%, it is **28.8076, 19.2045, 2.8836**.

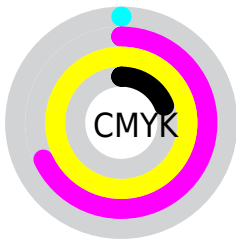
Distribution



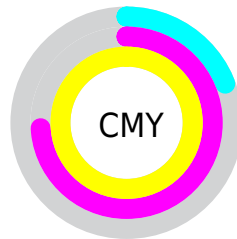
- Red (81%)
- Green (26%)
- Blue (0%)



- Red (81%)
- Yellow (39%)
- Blue (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)
- Black (19%)





- Cyan (19%)
- Magenta (74%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7393, 17.2797, 1.8733 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 27.7393, 17.2797, 1.8733 by changing the saturation by 10% instead.


 27.7393, 17.2797,
1.8733


 27.7393, 17.2797,
1.8733


 283.3218,
236.7791, 120.3773


 18.2687, 10.4341,
0.4757


 55.4795, 38.8061,
8.6914


 11.2439, 5.6877,
0.0000


 74.4798, 54.2556,
15.0269


 6.2996, 2.6561,
0.0000


 97.3874, 73.3419,
23.8713

 3.0705, 0.9550,
0.0000

 124.5676, 96.4494,
35.6433

 1.1912, 0.0000,
0.0000

 156.3858,
123.9625, 50.7614


 0.0994, 0.0000,
0.0000


 193.2073,


 0.0000, 0.0000,


156.2656, 69.6440


0.0000


 235.3975,
193.7429, 92.7098


 27.7393, 17.2797,
1.8733


 27.7393, 17.2797,
1.8733


 27.7395, 17.2805,
1.8734

 28.8076, 19.2045,
2.8836

 30.2322, 21.6140,
4.7134

 32.0737, 24.5530,
7.6210

 34.3694, 28.0543,
11.7473

 37.1519, 32.1476,
17.2117

■ 40.4502, 36.8604,
24.1189

■ 44.2911, 42.2183,
32.5633

■ 48.6992, 48.2454,
42.6312

■ 53.6976, 54.9643,
54.4022

Harmonies

Analogous

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



33.8512, 17.2797, 8.7236



27.7393, 17.2797, 1.8733



19.4515, 17.2797, 0.3825

Triad

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



27.7393, 17.2797, 1.8733



6.0970, 17.2797, 11.7578



21.2931, 17.2797, 89.4605

Complementary

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



27.7393, 17.2797, 1.8733



20.6395, 23.2592, 62.4327

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.



13.7279, 17.2797, 92.9682



27.7393, 17.2797, 1.8733



6.3205, 17.2797, 34.6724

Square

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



27.7393, 17.2797, 1.8733



7.9568, 17.2797, 2.6879



8.6994, 17.2797, 68.2504



29.4293, 17.2797, 60.6524

Rectangle

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



27.7393, 17.2797, 1.8733



14.4541, 17.2797, 0.3264



8.6994, 17.2797, 68.2504



18.5649, 17.2797, 94.1516

Sweetspot

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



27.7397, 17.2807, 1.8736



70.7444, 67.3310, 51.6507



30.5733, 15.2019, 26.6983



14.5597, 13.6032, 9.7614



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.



27.7397, 17.2807, 1.8736



44.2986, 27.3772, 2.9495



39.9292, 41.6599, 5.9368



12.1167, 12.4242, 12.3715



17.5540, 11.0410, 1.2059



1.0531, 0.7605, 0.0913

Inverse Universe

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



20.6395, 23.2592, 62.4327



32.8892, 36.8984, 99.9964



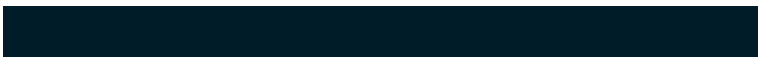
11.9540, 5.8882, 59.5375



11.8224, 12.7350, 15.0786



13.0929, 14.8324, 39.3654



0.8024, 0.9700, 2.2245

Previews

White Background



This preview shows how the XYZ color 27.7393, 17.2797, 1.8733 looks on a white 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

Black Background



This preview shows how the XYZ color 27.7393, 17.2797, 1.8733 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7393, 17.2797, 1.8733

Background



This preview shows how black text looks on a background with the XYZ color 27.7393, 17.2797, 1.8733.



This preview shows how white text looks on a background with the XYZ color 27.7393, 17.2797,

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

27.7393, 17.2797, 1.8733

Protanopia

15.8662, 17.6058, 3.3211

Deuteranopia

17.6086, 17.3549, 2.4218



Tritanopia

28.6892, 17.2368, 6.8160

Trichromacy



Original Color

27.7393, 17.2797, 1.8733

Protanomaly

18.8392, 16.3263, 2.5738

Deuteranomaly

20.3649, 16.4404, 2.1000

Tritanomaly

28.2461, 17.2368, 3.9361

Monochromacy



Original Color

27.7393, 17.2797, 1.8733

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.3130, 13.0904, 6.5701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7393, 17.2797, 1.8733 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(207, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 67, 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(207, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 67, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.7393, 17.2797, 1.8733 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(207, 67, 0) }
```


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

```
.border{ border-color:rgb(207, 67, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 67, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.7393, 17.2797, 1.8733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 67, 0) }
```

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

```
.background{ background-color: rgb(207, 67,  
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](#).

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