

Converting Colors

XYZ(27.0077, 15.6031, 1.5882)

Have a look what the booklet for
XYZ(27.0077, 15.6031, 1.5882)
contains.

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Color

**XYZ(27.1530, 15.6911,
1.5976)**

Conversions

Conversions Part 1

Format	Color
Hex	D03200
RGB	208, 50, 0
RGB Percent	82%, 20%, 0%
CMY	0.1843, 0.8039, 1.0000
CMYK	0.00, 0.76, 1.00, 0.18
HSL	14°, 100%, 41%
HSV	14°, 100%, 82%
XYZ	27.1530, 15.6911, 1.5976
YIQ	91.5420, 110.2180, 17.9460

Conversions

Conversions Part 2

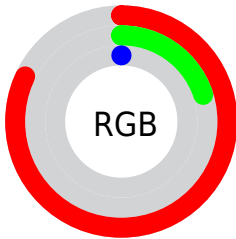
Format	Color
RYB	208, 66, 0
Decimal	13644288
CIELab	46.57, 59.62, 58.91
CIELCh	47, 83.815, 44.657
Yxy	15.6911, 0.6110, 0.3531
Android (android.graphics.Color)	4291834368 (0xFFD03200)
YUV	91.5420, -45.1302, 102.1337
Hunter-Lab	39.6120, 53.0362, 25.3372

Details

The XYZ color **27.1530, 15.6911, 1.5976** 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 **23.6102, 29.0042, 64.0279**, and the grayscale version is **10.1513, 10.6799, 11.6305**.

A 20% lighter version of the original color is **47.3411, 32.2805, 7.6065**, and **11.5016, 5.9293, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **27.1532, 15.6918, 1.5977**, and if you desaturate by 10%, it is **28.0829, 17.3376, 2.5663**.

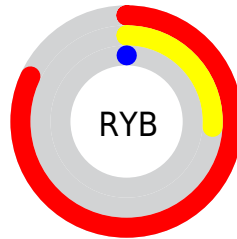
Distribution



Red (82%)

Green (20%)

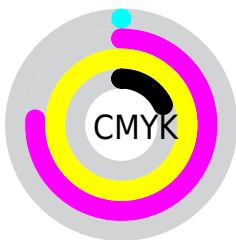
Blue (0%)



Red (82%)

Yellow (26%)

Blue (0%)

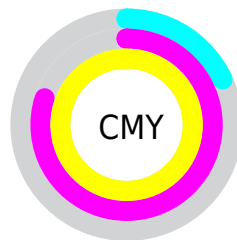


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 27.1530, 15.6911, 1.5976 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 27.1530, 15.6911, 1.5976 by changing the saturation by 10% instead.


 27.1530, 15.6911,
1.5976


 27.1530, 15.6911,
1.5976


 280.5512,
227.5120, 115.7774


 17.8253, 9.3058,
0.2891


 54.5474, 36.0611,
7.9082


 10.9236, 4.9412,
0.0000


 73.3449, 50.8146,
13.8928

 6.0824, 2.2128,
0.0000


 96.0298, 69.1264,
22.3215

 2.9364, 0.7270,
0.0000

 122.9673, 91.3807,
33.6130

 1.1202, 0.0000,
0.0000

 154.5228,
117.9620, 48.1858

 0.0419, 0.0000,
0.0000


 191.0617,


 0.0000, 0.0000,


149.2548, 66.4585


0.0000


 232.9494,
185.6433, 88.8495


 27.1530, 15.6911,
1.5976

 27.1530, 15.6911,
1.5976


 27.1532, 15.6918,
1.5977

 28.0829, 17.3376,
2.5663

 29.4110, 19.5501,
4.3768

 31.2054, 22.3872,
7.2921

 33.5097, 25.8942,
11.4567

 36.3622, 30.1117,
16.9931

■ 39.7970, 35.0770,
24.0090

■ 43.8455, 40.8246,
32.6014

■ 48.5367, 47.3870,
42.8588

■ 53.8977, 54.7947,
54.8632

Harmonies

Analogous

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



32.8171, 15.6911, 8.8594



27.1530, 15.6911, 1.5976



18.9041, 15.6911, 0.0000

Triad

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



27.1530, 15.6911, 1.5976



5.1217, 15.6911, 8.5656



18.7164, 15.6911, 91.8307

Complementary

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



27.1530, 15.6911, 1.5976



23.6102, 29.0042, 64.0279

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.



11.5289, 15.6911, 91.4527



27.1530, 15.6911, 1.5976



5.1006, 15.6911, 29.2727

Square

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



27.1530, 15.6911, 1.5976



7.1199, 15.6911, 1.5292



7.0482, 15.6911, 63.1443



26.9779, 15.6911, 63.9534

Rectangle

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



27.1530, 15.6911, 1.5976



13.8132, 15.6911, 0.0000



7.0482, 15.6911, 63.1443



16.0717, 15.6911, 95.4504

Sweetspot

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



27.1533, 15.6921, 1.5978



69.2682, 64.3785, 51.1586



32.3108, 15.9293, 34.3853



14.2173, 12.9186, 9.6473



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.



27.1533, 15.6921, 1.5978



42.9254, 24.6308, 2.4918



37.3272, 36.0398, 4.9891



12.0363, 12.2632, 12.3447



16.9870, 9.9069, 1.0169



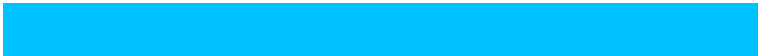
1.0130, 0.6803, 0.0779

Inverse Universe

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



23.6102, 29.0042, 64.0279



37.2727, 45.6653, 101.4576



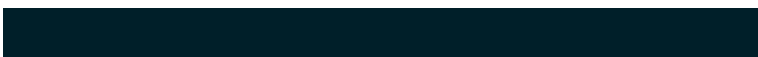
12.7737, 7.3312, 60.4157



11.9075, 12.9053, 15.1070



14.7935, 18.2336, 39.9322



0.8865, 1.1382, 2.2525

Previews

White Background



This preview shows how the XYZ color 27.1530, 15.6911, 1.5976 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



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 27.1530, 15.6911, 1.5976

Background



This preview shows how black text looks on a background with the XYZ color 27.1530, 15.6911, 1.5976.



This preview shows how white text looks on a background with the XYZ color 27.1530, 15.6911,

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

27.1530, 15.6911, 1.5976

Protanopia

14.4165, 16.0143, 3.1954

Deuteranopia

15.9693, 15.8835, 2.2242



Tritanopia

27.8445, 15.8017, 4.3788

Trichromacy



Original Color

27.1530, 15.6911, 1.5976

Protanomaly

17.1762, 14.1478, 2.2775

Deuteranomaly

18.8448, 14.6549, 1.8354

Tritanomaly

27.5988, 15.7681, 2.8853

Monochromacy



Original Color

27.1530, 15.6911, 1.5976

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

13.2748, 10.6919, 5.5017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1530, 15.6911, 1.5976 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(208, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 50, 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(208, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 50, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.1530, 15.6911, 1.5976 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(208, 50, 0) }
```


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

```
.border{ border-color:rgb(208, 50, 0) }
```

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

Here you see how a box with a 4 pixel rgb(208, 50, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 50, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.1530, 15.6911, 1.5976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 50, 0) }
```

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

```
.background{ background-color: rgb(208, 50,  
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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