

Converting Colors

XYZ(27.7620, 16.6171, 2.6997)

Have a look what the booklet for
XYZ(27.7620, 16.6171, 2.6997)
contains.

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Color

**XYZ(27.7628, 16.6124,
2.7205)**

Conversions

Conversions Part 1

Format	Color
Hex	D03B1A
RGB	208, 59, 26
RGB Percent	82%, 23%, 10%
CMY	0.1843, 0.7686, 0.8980
CMYK	0.00, 0.72, 0.87, 0.18
HSL	11°, 78%, 46%
HSV	11°, 87%, 82%
XYZ	27.7628, 16.6124, 2.7205
YIQ	99.7890, 99.3970, 21.3250

Conversions

Conversions Part 2

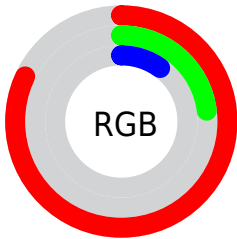
Format	Color
RYB	208, 66, 26
Decimal	13646618
CIELab	47.77, 56.89, 51.48
CIELCh	48, 76.721, 42.140
Yxy	16.6124, 0.5895, 0.3527
Android (android.graphics.Color)	4291836698 (0xFFD03B1A)
YUV	99.7890, -36.3780, 94.9010
Hunter-Lab	40.7583, 50.2594, 24.5734

Details

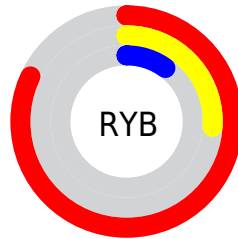
The XYZ color **27.7628, 16.6124, 2.7205** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **27.1389, 35.4293, 65.0821**, and the grayscale version is **12.1324, 12.7642, 13.9002**.

A 20% lighter version of the original color is **48.6407, 34.0295, 10.6613**, and **11.6771, 6.0197, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **26.8680, 15.0759, 1.6432**, and if you desaturate by 10%, it is **29.1083, 18.7875, 4.7605**.

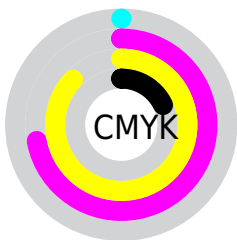
Distribution



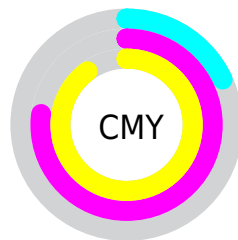
- Red (82%)
- Green (23%)
- Blue (10%)



- Red (82%)
- Yellow (26%)
- Blue (10%)



- Cyan (0%)
- Magenta (72%)
- Yellow (87%)
- Black (18%)





- Cyan (18%)
- Magenta (77%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7628, 16.6124, 2.7205 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 27.7628, 16.6124, 2.7205 by changing the saturation by 10% instead.


 27.7628, 16.6124,
2.7205


 27.7628, 16.6124,
2.7205


283.4324,
232.9287, 132.7171

 18.2865, 9.9585,
0.9537


 55.5168, 37.6581,
10.9306


 11.2568, 5.3715,
0.0000


 74.5252, 52.8188,
18.2110

 6.3084, 2.4668,
0.0000


 97.4417, 71.5839,
28.1664

 3.0759, 0.8600,
0.0000

 124.6316, 94.3377,
41.2154

 1.1940, 0.0000,
0.0000

 156.4602,
121.4647, 57.7764


 0.1017, 0.0000,
0.0000


 193.2930,


 0.0000, 0.0000,


153.3493, 78.2680


0.0000


 235.4953,
190.3758, 103.1087


 27.7628, 16.6124,
2.7205


 27.7628, 16.6124,
2.7205


 26.8680, 15.0759,
1.6432


 29.1083, 18.7875,
4.7605

 26.6966, 14.7785,
1.4455

 30.9635, 21.6625,
7.9545

 33.3762, 25.2929,
12.4426

 36.3882, 29.7280,
18.3448

 40.0371, 35.0127,
25.7671

■ 44.3573, 41.1885,
34.8054

■ 49.3808, 48.2942,
45.5477

■ 55.1375, 56.3664,
58.0756

■ 61.6555, 65.4394,
72.4654

Harmonies

Analogous

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



32.5639, 16.6124, 11.2361



27.7628, 16.6124, 2.7205



20.2016, 16.6124, 0.6526

Triad

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



27.7628, 16.6124, 2.7205



6.2523, 16.6124, 8.7830



18.7366, 16.6124, 86.1055

Complementary

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



27.7628, 16.6124, 2.7205



27.1389, 35.4293, 65.0821

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.



12.0718, 16.6124, 83.3676



27.7628, 16.6124, 2.7205



6.0699, 16.6124, 27.2774

Square

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



27.7628, 16.6124, 2.7205



8.4761, 16.6124, 2.0327



7.8747, 16.6124, 57.2459



26.4258, 16.6124, 63.2005

Rectangle

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



27.7628, 16.6124, 2.7205



15.3010, 16.6124, 0.3979



7.8747, 16.6124, 57.2459



16.2885, 16.6124, 88.4481

Sweetspot

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



27.7632, 16.6134, 2.7207



71.2154, 66.5664, 57.0687



34.3840, 17.3495, 43.4805



14.6927, 13.4650, 11.0517



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.



27.7632, 16.6134, 2.7207



42.2268, 23.2336, 2.2589



36.6842, 34.4555, 5.6944



11.9797, 12.1501, 12.3258



16.6901, 9.3132, 0.9180



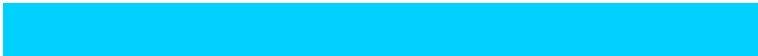
0.9868, 0.6280, 0.0692

Inverse Universe

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



27.1389, 35.4293, 65.0821



40.7890, 52.6979, 102.6297



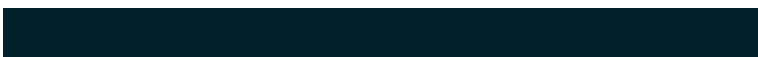
15.1924, 11.5362, 61.0999



11.9684, 13.0271, 15.1273



16.1520, 20.9506, 40.3851



0.9518, 1.2687, 2.2743

Previews

White Background



This preview shows how the XYZ color 27.7628, 16.6124, 2.7205 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 27.7628, 16.6124, 2.7205 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 27.7628, 16.6124, 2.7205

Background



This preview shows how black text looks on a background with the XYZ color 27.7628, 16.6124, 2.7205.



This preview shows how white text looks on a background with the XYZ color 27.7628, 16.6124,

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

27.7628, 16.6124, 2.7205

Protanopia

15.2856, 16.7703, 4.3508

Tritanopia

28.4724, 16.6891, 5.7237

Trichromacy



Original Color

27.7628, 16.6124, 2.7205

Protanomaly

18.1961, 15.2890, 3.5054

Tritanomaly

28.2508, 16.6788, 4.3151

Monochromacy



Original Color

27.7628, 16.6124, 2.7205

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.0986, 12.4670, 7.9139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7628, 16.6124, 2.7205 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, 59, 26)` looks like.

```
.text, #text, p{  
    color:rgb(208, 59, 26)  
}
```

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, 59, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 59, 26) }
```

Border

The CSS property to change the border of an element to XYZ 27.7628, 16.6124, 2.7205 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, 59, 26) }
```

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

```
.border{ border-color:rgb(208, 59, 26) }
```

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

Here you see how a box with a 4 pixel rgb(208, 59, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 59, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 59, 26);  
box-shadow:4px 4px 4px 4px rgb(208, 59,  
26) }
```


Background

The CSS property to change the background color of an element to XYZ 27.7628, 16.6124, 2.7205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 59, 26) }
```

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

```
.background{ background-color: rgb(208, 59,  
26) }
```

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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