

Converting Colors

XYZ(27.2339, 18.2904, 2.1582)

Have a look what the booklet for
XYZ(27.2339, 18.2904, 2.1582)
contains.

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Color

**XYZ(27.2367, 18.2983,
2.1538)**

Conversions

Conversions Part 1

Format	Color
Hex	CA5002
RGB	202, 80, 2
RGB Percent	79%, 31%, 1%
CMY	0.2078, 0.6862, 0.9921
CMYK	0.00, 0.60, 0.99, 0.21
HSL	23°, 98%, 40%
HSV	23°, 99%, 79%
XYZ	27.2367, 18.2983, 2.1538
YIQ	107.5860, 97.7500, 1.6060

Conversions

Conversions Part 2

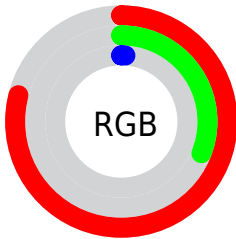
Format	Color
RYB	202, 130, 2
Decimal	13258754
CIELab	49.86, 45.78, 59.46
CIElCh	50, 75.038, 52.404
Yxy	18.2983, 0.5711, 0.3837
Android (android.graphics.Color)	4291448834 (0xFFCA5002)
YUV	107.5860, -52.0539, 82.8011
Hunter-Lab	42.7765, 38.7958, 26.9583

Details

The XYZ color **27.2367, 18.2983, 2.1538** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.8925, 18.6909, 58.5411**, and the grayscale version is **14.2607, 15.0033, 16.3386**.

A 20% lighter version of the original color is **50.4970, 38.3829, 9.3046**, and **11.1628, 6.2707, 0.6220** is the 20% darker color. If you saturate the color by 10%, you get **27.1375, 18.1176, 2.0668**, and if you desaturate by 10%, it is **28.3594, 20.3267, 3.1981**.

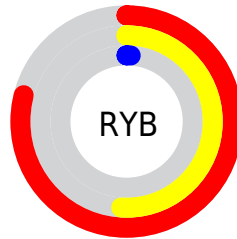
Distribution



Red (79%)

Green (31%)

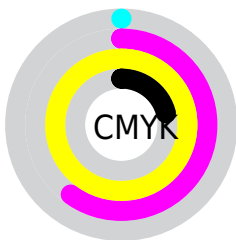
Blue (1%)



Red (79%)

Yellow (51%)

Blue (1%)

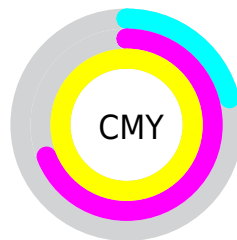


Cyan (0%)

Magenta (60%)

Yellow (99%)

Black (21%)



Cyan (21%)


Magenta (69%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2367, 18.2983, 2.1538 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 27.2367, 18.2983, 2.1538 by changing the saturation by 10% instead.


 27.2367, 18.2983,
2.1538


 27.2367, 18.2983,
2.1538


280.9481,
242.5471, 124.7210


 17.8886, 11.1644,
0.6475


 54.6807, 40.5450,
9.4572


 10.9692, 6.1775,
0.0000


 73.5072, 56.4265,
16.1248


 6.1133, 2.9533,
0.0000


 96.2240, 75.9927,
25.3610

 2.9554, 1.1074,
0.0000

 123.1963, 99.6279,
37.5845

 1.1302, 0.0000,
0.0000

 154.7895,
127.7165, 53.2136

 0.0502, 0.0000,
0.0000


 191.3689,


 0.0000, 0.0000,


160.6430, 72.6671


0.0000


 233.3000,
198.7917, 96.3634


 27.2367, 18.2983,
2.1538

 27.2367, 18.2983,
2.1538


 27.1375, 18.1176,
2.0668

 28.3594, 20.3267,
3.1981

 29.7981, 22.7586,
5.0508

 31.6010, 25.6269,
7.9256

 33.7995, 28.9558,
11.9513

 36.4209, 32.7672,
17.2377

■ 39.4897, 37.0816,
23.8815

■ 43.0283, 41.9178,
31.9698

■ 47.0575, 47.2938,
41.5823

■ 51.5967, 53.2266,
52.7930

Harmonies

Analogous

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



33.5138, 18.2983, 8.3422



27.2367, 18.2983, 2.1538



19.2796, 18.2983, 0.8095

Triad

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



27.2367, 18.2983, 2.1538



6.9899, 18.2983, 15.1452



23.1963, 18.2983, 83.3001

Complementary

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



27.2367, 18.2983, 2.1538



17.8925, 18.6909, 58.5411

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.



15.6318, 18.2983, 90.3275



27.2367, 18.2983, 2.1538



7.5030, 18.2983, 39.0896

Square

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



27.2367, 18.2983, 2.1538



8.5928, 18.2983, 4.2353



10.2614, 18.2983, 70.4708



30.7691, 18.2983, 55.0450

Rectangle

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



27.2367, 18.2983, 2.1538



14.5943, 18.2983, 0.8859



10.2614, 18.2983, 70.4708



20.5262, 18.2983, 88.7603

Sweetspot

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



27.2371, 18.2994, 2.1541



71.9645, 69.7711, 52.0574



28.1016, 14.0891, 20.7524



14.8445, 14.1728, 9.8563



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.



27.2371, 18.2994, 2.1541



45.7454, 30.2709, 3.4318



40.4211, 44.6673, 6.5488



11.5652, 11.9193, 11.7705



17.5437, 11.8203, 1.3569



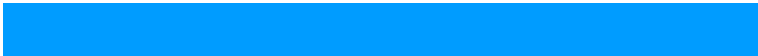
0.9783, 0.7562, 0.0944

Inverse Universe

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



17.8925, 18.6909, 58.5411



29.8616, 30.8432, 98.9872



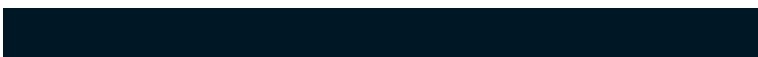
11.0405, 4.9869, 56.2571



11.1617, 11.9637, 14.2913



11.5236, 12.0711, 37.6789



0.6669, 0.7676, 1.9680

Previews

White Background



This preview shows how the XYZ color 27.2367, 18.2983, 2.1538 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 27.2367, 18.2983, 2.1538 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 27.2367, 18.2983, 2.1538

Background



This preview shows how black text looks on a background with the XYZ color 27.2367, 18.2983, 2.1538.



This preview shows how white text looks on a background with the XYZ color 27.2367, 18.2983,

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

27.2367, 18.2983, 2.1538

Protanopia

16.6743, 18.5518, 3.3638

Deuteranopia

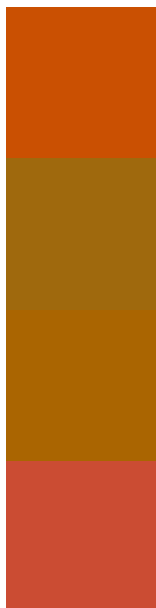
18.6676, 18.3896, 2.5657



Tritanopia

28.7619, 18.2994, 9.4134

Trichromacy



Original Color

27.2367, 18.2983, 2.1538

Protanomaly

19.4223, 17.5031, 2.7355

Deuteranomaly

21.2367, 17.8556, 2.3559

Tritanomaly

27.8106, 18.1044, 5.1607

Monochromacy



Original Color

27.2367, 18.2983, 2.1538

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.5972, 14.9158, 7.6345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2367, 18.2983, 2.1538 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(202, 80, 2)` looks like.

```
.text, #text, p{  
    color:rgb(202, 80, 2)  
}
```

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(202, 80, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 80, 2) }
```

Border

The CSS property to change the border of an element to XYZ 27.2367, 18.2983, 2.1538 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(202, 80, 2) }
```


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

```
.border{ border-color:rgb(202, 80, 2) }
```

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

Here you see how a box with a 4 pixel rgb(202, 80, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 80, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 80, 2);  
box-shadow:4px 4px 4px 4px rgb(202, 80, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.2367, 18.2983, 2.1538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 80, 2) }
```

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

```
.background{ background-color: rgb(202, 80,  
2) }
```

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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