

Converting Colors

XYZ(27.6885, 15.2626, 0.7689)

Have a look what the booklet for
XYZ(27.6885, 15.2626, 0.7689)
contains.

XYZ(27.8129, 15.3202, 1.4912)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.8129, 15.3202,
1.4912)**

Conversions

Conversions Part 1

Format	Color
Hex	D42500
RGB	212, 37, 0
RGB Percent	83%, 15%, 0%
CMY	0.1686, 0.8548, 1.0000
CMYK	0.00, 0.83, 1.00, 0.17
HSL	10°, 100%, 42%
HSV	10°, 100%, 83%
XYZ	27.8129, 15.3202, 1.4912
YIQ	85.1070, 116.1770, 25.5930

Conversions

Conversions Part 2

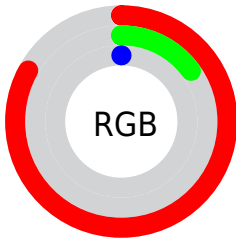
Format	Color
RYB	212, 45, 0
Decimal	13903104
CIELab	46.07, 64.41, 59.17
CIElCh	46, 87.459, 42.571
Yxy	15.3202, 0.6233, 0.3433
Android (android.graphics.Color)	4292093184 (0xFFD42500)
YUV	85.1070, -41.9578, 111.2852
Hunter-Lab	39.1410, 58.3420, 25.1399

Details

The XYZ color **27.8129, 15.3202, 1.4912** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **27.2102, 35.4066, 67.6867**, and the grayscale version is **8.7270, 9.1815, 9.9986**.

A 20% lighter version of the original color is **46.5110, 30.6599, 7.2079**, and **12.0326, 6.2030, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **27.8132, 15.3211, 1.4913**, and if you desaturate by 10%, it is **28.6316, 16.7384, 2.4411**.

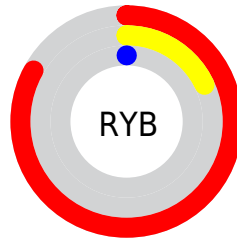
Distribution



Red (83%)

Green (15%)

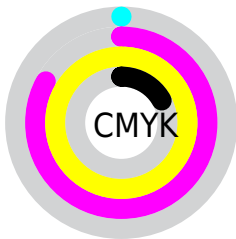
Blue (0%)



Red (83%)

Yellow (18%)

Blue (0%)

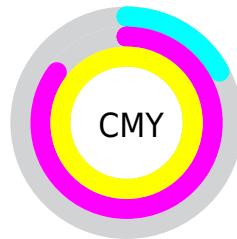


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8129, 15.3202, 1.4912 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 27.8129, 15.3202, 1.4912 by changing the saturation by 10% instead.


 27.8129, 15.3202,
1.4912


 27.8129, 15.3202,
1.4912


 283.6681,
225.2962, 113.8956


 18.3244, 9.0444,
0.2114


 55.5963, 35.4139,
7.5963


 11.2842, 4.7702,
0.0000


 74.6220, 50.0007,
13.4375


 6.3271, 2.1130,
0.0000


 97.5574, 68.1265,
21.6960

 3.0875, 0.6720,
0.0000

 124.7679, 90.1759,
32.7902

 1.2002, 0.0000,
0.0000

 156.6188,
116.5331, 47.1388

 0.1065, 0.0000,
0.0000


 193.4756,


 0.0000, 0.0000,


147.5827, 65.1601


0.0000


 235.7036,
183.7089, 87.2729


 27.8129, 15.3202,
1.4912

 27.8129, 15.3202,
1.4912


 27.8132, 15.3211,
1.4913

 28.6316, 16.7384,
2.4411

 29.8945, 18.8036,
4.2822

 31.6804, 21.5929,
7.2894

 34.0417, 25.1673,
11.6166

 37.0243, 29.5808,
17.3943

■ 40.6691, 34.8827,
24.7370

■ 45.0135, 41.1183,
33.7479

■ 50.0920, 48.3300,
44.5211

■ 55.9369, 56.5572,
57.1439

Harmonies

Analogous

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



33.4193, 15.3202, 9.2693



27.8129, 15.3202, 1.4912



19.2712, 15.3202, 0.0000

Triad

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



27.8129, 15.3202, 1.4912



4.7444, 15.3202, 7.1851



17.8958, 15.3202, 96.9041

Complementary

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



27.8129, 15.3202, 1.4912



27.2102, 35.4066, 67.6867

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.



10.6892, 15.3202, 94.0333



27.8129, 15.3202, 1.4912



4.5976, 15.3202, 27.2594

Square

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



27.8129, 15.3202, 1.4912



6.8797, 15.3202, 1.0528



6.3734, 15.3202, 62.4636



26.5159, 15.3202, 68.5634

Rectangle

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



27.8129, 15.3202, 1.4912



13.9302, 15.3202, 0.0000



6.3734, 15.3202, 62.4636



15.2114, 15.3202, 99.9711

Sweetspot

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



27.8132, 15.3212, 1.4914



68.1445, 62.1312, 50.7841



35.0537, 17.1580, 42.8850



13.9586, 12.4011, 9.5610



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.



27.8132, 15.3212, 1.4914



42.1604, 23.1007, 2.2368



36.7252, 33.1451, 4.4621



12.5968, 12.7678, 12.9612



17.2220, 9.5611, 0.9378



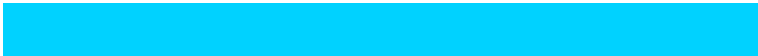
1.0932, 0.6855, 0.0747

Inverse Universe

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



27.2102, 35.4066, 67.6867



41.2141, 53.5482, 102.7714



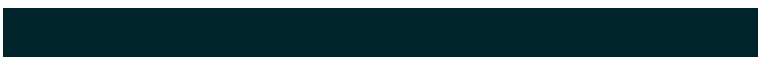
14.1157, 9.2177, 63.3219



12.5991, 13.7217, 15.9220



16.8640, 21.9897, 41.8088



1.0668, 1.4255, 2.5382

Previews

White Background



This preview shows how the XYZ color 27.8129, 15.3202, 1.4912 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 27.8129, 15.3202, 1.4912 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 27.8129, 15.3202, 1.4912

Background



This preview shows how black text looks on a background with the XYZ color 27.8129, 15.3202, 1.4912.



This preview shows how white text looks on a background with the XYZ color 27.8129, 15.3202,

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

27.8129, 15.3202, 1.4912

Protanopia

14.0746, 15.5115, 3.2295

Deuteranopia

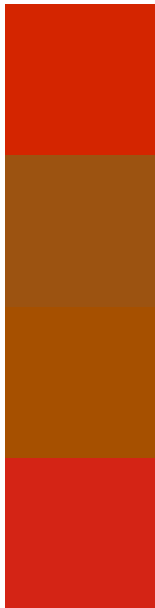
15.6990, 15.5921, 2.1822



Tritanopia

28.0269, 15.3089, 2.9166

Trichromacy



Original Color

27.8129, 15.3202, 1.4912

Protanomaly

16.9047, 13.2949, 2.2055

Deuteranomaly

18.5945, 13.8443, 1.6922

Tritanomaly

27.9176, 15.3129, 2.1937

Monochromacy



Original Color

27.8129, 15.3202, 1.4912

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

12.0930, 9.2259, 4.6334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8129, 15.3202, 1.4912 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(212, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 37, 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(212, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 37, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.8129, 15.3202, 1.4912 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(212, 37, 0) }
```


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

```
.border{ border-color:rgb(212, 37, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 37, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 37, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.8129, 15.3202, 1.4912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 37, 0) }
```

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

```
.background{ background-color: rgb(212, 37,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor