

Converting Colors

XYZ(28.8127, 15.6322, 2.7956)

Have a look what the booklet for
XYZ(28.8127, 15.6322, 2.7956)
contains.

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Color

**XYZ(28.8155, 15.6337,
2.7952)**

Conversions

Conversions Part 1

Format	Color
Hex	D7211F
RGB	215, 33, 31
RGB Percent	84%, 13%, 12%
CMY	0.1569, 0.8705, 0.8784
CMYK	0.00, 0.85, 0.86, 0.16
HSL	1°, 75%, 48%
HSV	1°, 86%, 84%
XYZ	28.8155, 15.6337, 2.7952
YIQ	87.1900, 109.1140, 37.9620

Conversions

Conversions Part 2

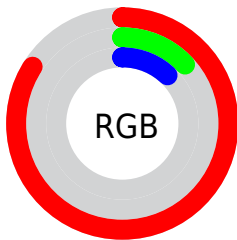
Format	Color
RYB	215, 33, 31
Decimal	14098719
CIELab	46.49, 66.54, 48.74
CIElCh	46, 82.481, 36.225
Yxy	15.6337, 0.6099, 0.3309
Android (android.graphics.Color)	4292288799 (0xFFD7211F)
YUV	87.1900, -27.7017, 112.0894
Hunter-Lab	39.5395, 60.8928, 23.4862

Details

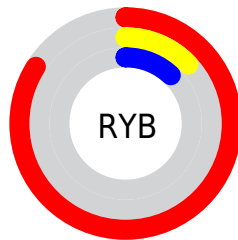
The XYZ color **28.8155, 15.6337, 2.7952** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **36.6202, 52.7764, 72.5462**, and the grayscale version is **9.1434, 9.6196, 10.4757**.

A 20% lighter version of the original color is **47.0770, 30.7337, 10.6587**, and **12.7625, 6.5793, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **28.2047, 14.7248, 1.6285**, and if you desaturate by 10%, it is **29.9877, 17.3642, 5.0794**.

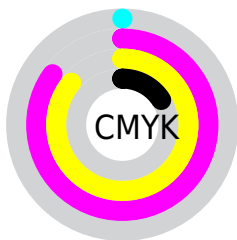
Distribution



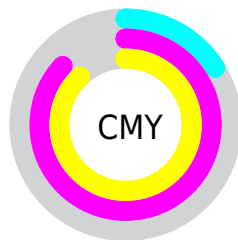
- Red (84%)
- Green (13%)
- Blue (12%)



- Red (84%)
- Yellow (13%)
- Blue (12%)



- Cyan (0%)
- Magenta (85%)
- Yellow (86%)
- Black (16%)





- Cyan (16%)
- Magenta (87%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8155, 15.6337, 2.7952 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 28.8155, 15.6337, 2.7952 by changing the saturation by 10% instead.

 28.8155, 15.6337,
2.7952


 28.8155, 15.6337,
2.7952


288.3534,
227.1704, 133.7079


 19.0849, 9.2653,
0.9910


 57.1834, 35.9611,
11.1188


 11.8360, 4.9146,
0.0000


 76.5514, 50.6889,
18.4752

 6.7035, 2.1973,
0.0000


 99.8626, 68.9720,
28.5196

 3.3220, 0.7185,
0.0000

 127.4823, 91.1948,
41.6703

 1.3263, 0.0000,
0.0000

 159.7758,
117.7416, 58.3459


 0.2028, 0.0000,
0.0000


 197.1086,


 0.0000, 0.0000,


148.9969, 78.9651


0.0000


 239.8460,
185.3451, 103.9462


 28.8155, 15.6337,
2.7952

 28.8155, 15.6337,
2.7952


 28.2047, 14.7248,
1.6285


 29.9877, 17.3642,
5.0794

 28.0497, 14.4982,
1.3200

 31.8135, 20.0481,
8.6716

 34.3698, 23.7969,
13.7280

 37.7224, 28.7060,
20.3824

 41.9298, 34.8602,
28.7540

■ 47.0450, 42.3365,
38.9501

■ 53.1169, 51.2055,
51.0698

■ 60.1907, 61.5330,
65.2048

■ 68.3088, 73.3804,
81.4408

Harmonies

Analogous

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



32.9794, 15.6337, 13.1256



28.8155, 15.6337, 2.7952



21.0699, 15.6337, 0.3268

Triad

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



28.8155, 15.6337, 2.7952



5.5409, 15.6337, 5.6255



16.3892, 15.6337, 92.9649

Complementary

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



28.8155, 15.6337, 2.7952



36.6202, 52.7764, 72.5462

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.



10.0076, 15.6337, 83.7156



28.8155, 15.6337, 2.7952



5.0010, 15.6337, 21.6230

Square

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



28.8155, 15.6337, 2.7952



8.1642, 15.6337, 0.9521



6.3437, 15.6337, 52.1531



24.4740, 15.6337, 72.0454

Rectangle

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



28.8155, 15.6337, 2.7952



15.7764, 15.6337, 0.0000



6.3437, 15.6337, 52.1531



13.9786, 15.6337, 93.4174

Sweetspot

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



28.8158, 15.6347, 2.7954



68.6824, 61.5004, 56.2244



40.7798, 20.3332, 66.0648



14.1108, 12.3014, 10.8578



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.



28.8158, 15.6347, 2.7954



41.2704, 21.3207, 1.9401



35.3544, 28.7118, 4.9749



12.4341, 12.4424, 12.9070



16.7823, 8.6818, 0.7912



1.0162, 0.5315, 0.0490

Inverse Universe

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



36.6202, 52.7764, 72.5462



52.9241, 76.9681, 106.6747



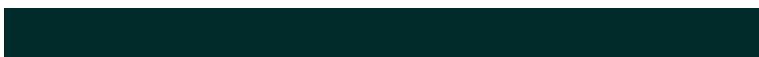
19.9137, 19.3635, 66.9774



12.7800, 14.0834, 15.9823



21.5198, 31.3015, 43.3607



1.3018, 1.8956, 2.6166

Previews

White Background



This preview shows how the XYZ color 28.8155, 15.6337, 2.7952 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 28.8155, 15.6337, 2.7952 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 28.8155, 15.6337, 2.7952

Background



This preview shows how black text looks on a background with the XYZ color 28.8155, 15.6337, 2.7952.



This preview shows how white text looks on a background with the XYZ color 28.8155, 15.6337,

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

28.8155, 15.6337, 2.7952

Protanopia

14.4072, 15.8016, 5.1964

Deuteranopia

16.0361, 15.7659, 2.1979



Tritanopia

28.8155, 15.6337, 2.7952

Trichromacy



Original Color

28.8155, 15.6337, 2.7952

Protanomaly

17.2215, 13.4216, 3.8734

Deuteranomaly

19.0048, 13.9410, 2.0058

Tritanomaly

28.8155, 15.6337, 2.7952

Monochromacy



Original Color

28.8155, 15.6337, 2.7952

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

12.8518, 9.4879, 6.4642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8155, 15.6337, 2.7952 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(215, 33, 31)` looks like.

```
.text, #text, p{  
    color:rgb(215, 33, 31)  
}
```

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(215, 33, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 33, 31) }
```

Border

The CSS property to change the border of an element to XYZ 28.8155, 15.6337, 2.7952 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(215, 33, 31) }
```


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

```
.border{ border-color:rgb(215, 33, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 33, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 33, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 33, 31);  
box-shadow:4px 4px 4px 4px rgb(215, 33,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8155, 15.6337, 2.7952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 33, 31) }
```

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

```
.background{ background-color: rgb(215, 33,  
31) }
```

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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