

Converting Colors

XYZ(28.6828, 14.9970, 1.3830)

Have a look what the booklet for
XYZ(28.6828, 14.9970, 1.3830)
contains.

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Color

**XYZ(28.7592, 15.0396,
1.3871)**

Conversions

Conversions Part 1

Format	Color
Hex	D90D00
RGB	217, 13, 0
RGB Percent	85%, 5%, 0%
CMY	0.1490, 0.9488, 1.0000
CMYK	0.00, 0.94, 1.00, 0.15
HSL	4°, 100%, 43%
HSV	4°, 100%, 85%
XYZ	28.7592, 15.0396, 1.3871
YIQ	72.5140, 125.7570, 39.2050

Conversions

Conversions Part 2

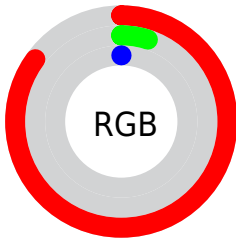
Format	Color
RYB	217, 14, 0
Decimal	14224640
CIELab	45.69, 69.77, 59.65
CIElCh	46, 91.796, 40.527
Yxy	15.0396, 0.6365, 0.3328
Android (android.graphics.Color)	4292414720 (0xFFD90D00)
YUV	72.5140, -35.7494, 126.7142
Hunter-Lab	38.7809, 64.5056, 25.0260

Details

The XYZ color **28.7592, 15.0396, 1.3871** 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 **34.1064, 48.1740, 73.1460**, and the grayscale version is **6.2972, 6.6252, 7.2148**.

A 20% lighter version of the original color is **45.6707, 29.0180, 6.8084**, and **12.7625, 6.5793, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **28.7595, 15.0406, 1.3873**, and if you desaturate by 10%, it is **29.3131, 15.9207, 2.2720**.

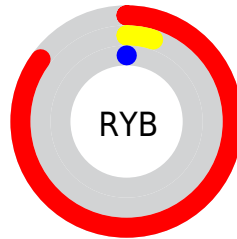
Distribution



Red (85%)

Green (5%)

Blue (0%)



Red (85%)

Yellow (5%)

Blue (0%)

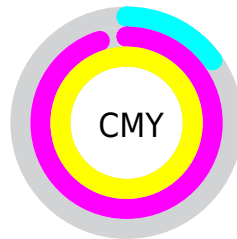


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7592, 15.0396, 1.3871 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 28.7592, 15.0396, 1.3871 by changing the saturation by 10% instead.


 28.7592, 15.0396,
1.3871


 28.7592, 15.0396,
1.3871


 288.0918,
223.6058, 111.9870


 19.0421, 8.8472,
0.1316


 57.0945, 34.9226,
7.2850


 11.8049, 4.6416,
0.0000


 76.4434, 49.3820,
12.9811

 6.6822, 2.0386,
0.0000


 99.7336, 67.3659,
21.0668

 3.3087, 0.6297,
0.0000

 127.3305, 89.2586,
31.9605

 1.3190, 0.0000,
0.0000

 159.5994,
115.4446, 46.0808

 0.1974, 0.0000,
0.0000


 196.9057,


 0.0000, 0.0000,


146.3081, 63.8463


0.0000


 239.6147,
182.2337, 85.6755


 28.7592, 15.0396,
1.3871


 28.7592, 15.0396,
1.3871

 28.7595, 15.0406,
1.3873

 29.3131, 15.9207,
2.2720

 30.3700, 17.5520,
4.1113

 32.0363, 20.0628,
7.2002

 34.3858, 23.5537,
11.7080

 37.4817, 28.1114,
17.7777

■ 41.3800, 33.8133,
25.5350

■ 46.1313, 40.7294,
35.0928

■ 51.7822, 48.9244,
46.5540

■ 58.3756, 58.4580,
60.0141

Harmonies

Analogous

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



34.3498, 15.0396, 9.7867



28.7592, 15.0396, 1.3871



19.8200, 15.0396, 0.0000

Triad

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



28.7592, 15.0396, 1.3871



4.3869, 15.0396, 5.9176



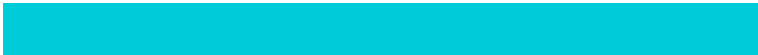
17.1736, 15.0396, 103.4401

Complementary

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



28.7592, 15.0396, 1.3871



34.1064, 48.1740, 73.1460

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.



9.9054, 15.0396, 97.7000



28.7592, 15.0396, 1.3871



4.1205, 15.0396, 25.4072

Square

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



28.7592, 15.0396, 1.3871



6.6712, 15.0396, 0.6291



5.7361, 15.0396, 62.2672



26.2344, 15.0396, 74.3701

Rectangle

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



28.7592, 15.0396, 1.3871



14.1591, 15.0396, 0.0000



5.7361, 15.0396, 62.2672



14.4312, 15.0396, 105.8915

Sweetspot

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



28.7595, 15.0406, 1.3873



66.2800, 58.4021, 50.1626



39.7737, 19.2151, 60.1002



13.5331, 11.5502, 9.4192



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.



28.7595, 15.0406, 1.3873



41.4155, 21.6110, 1.9885



35.2535, 28.0286, 3.5520



13.1186, 13.1765, 13.5775



17.4353, 9.1562, 0.8484



1.1522, 0.6384, 0.0625

Inverse Universe

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



34.1064, 48.1740, 73.1460



49.1134, 69.3469, 105.4045



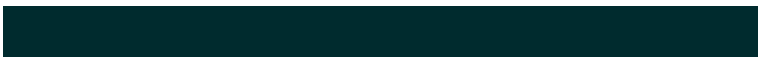
16.8592, 13.6796, 67.3969



13.3744, 14.6884, 16.7824



20.6746, 29.2187, 44.2885



1.3602, 1.9345, 2.8761

Previews

White Background



This preview shows how the XYZ color 28.7592, 15.0396, 1.3871 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 28.7592, 15.0396, 1.3871

Background



This preview shows how black text looks on a background with the XYZ color 28.7592, 15.0396, 1.3871.



This preview shows how white text looks on a background with the XYZ color 28.7592, 15.0396,

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

28.7592, 15.0396, 1.3871

Protanopia

13.9539, 15.4467, 3.3447

Tritanopia

28.5691, 15.0992, 1.4087

Trichromacy



Original Color

28.7592, 15.0396, 1.3871

Protanomaly

16.5299, 12.2439, 2.0644

Tritanomaly

28.5194, 14.9998, 1.3921

Monochromacy



Original Color

28.7592, 15.0396, 1.3871

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.1344, 6.9249, 3.3873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7592, 15.0396, 1.3871 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(217, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 13, 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(217, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 13, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.7592, 15.0396, 1.3871 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(217, 13, 0) }
```

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

```
.border{ border-color:rgb(217, 13, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 13, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 13, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 28.7592, 15.0396, 1.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 13, 0) }
```

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

```
.background{ background-color: rgb(217, 13,  
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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