

Converting Colors

XYZ(28.7350, 15.9351, 1.5613)

Have a look what the booklet for
XYZ(28.7350, 15.9351, 1.5613)
contains.

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Color

**XYZ(28.7831, 15.9647,
1.5644)**

Conversions

Conversions Part 1

Format	Color
Hex	D72800
RGB	215, 40, 0
RGB Percent	84%, 16%, 0%
CMY	0.1569, 0.8431, 1.0000
CMYK	0.00, 0.81, 1.00, 0.16
HSL	11°, 100%, 42%
HSV	11°, 100%, 84%
XYZ	28.7831, 15.9647, 1.5644
YIQ	87.7650, 117.1400, 24.6600

Conversions

Conversions Part 2

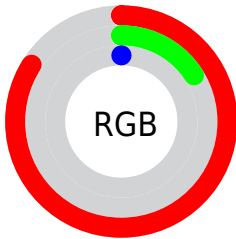
Format	Color
RYB	215, 49, 0
Decimal	14100480
CIELab	46.93, 64.52, 59.88
CIElCh	47, 88.025, 42.860
Yxy	15.9647, 0.6215, 0.3447
Android (android.graphics.Color)	4292290560 (0xFFD72800)
YUV	87.7650, -43.2681, 111.5851
Hunter-Lab	39.9559, 58.6638, 25.6477

Details

The XYZ color **28.7831, 15.9647, 1.5644** 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 **27.5920, 35.5590, 69.6987**, and the grayscale version is **9.2997, 9.7840, 10.6548**.

A 20% lighter version of the original color is **46.8041, 31.2460, 7.3056**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **28.7834, 15.9657, 1.5646**, and if you desaturate by 10%, it is **29.6528, 17.4805, 2.5452**.

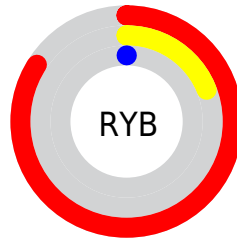
Distribution



Red (84%)

Green (16%)

Blue (0%)



Red (84%)

Yellow (19%)

Blue (0%)

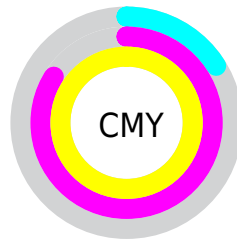


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7831, 15.9647, 1.5644 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 28.7831, 15.9647, 1.5644 by changing the saturation by 10% instead.


 28.7831, 15.9647,
1.5644


 28.7831, 15.9647,
1.5644


 288.2029,
229.1333, 115.1972


 19.0603, 9.4992,
0.2652


 57.1322, 36.5369,
7.8115


 11.8181, 5.0682,
0.0000


 76.4893, 51.4124,
13.7519

 6.6912, 2.2873,
0.0000


 99.7884, 69.8600,
22.1282

 3.3144, 0.7670,
0.0000

 127.3949, 92.2641,
33.3589

 1.3221, 0.0000,
0.0000

 159.6743,
119.0090, 47.8626

 0.1997, 0.0000,
0.0000


 196.9919,


 0.0000, 0.0000,


150.4793, 66.0579


0.0000


 239.7129,
187.0593, 88.3632


 28.7831, 15.9647,
1.5644


 28.7831, 15.9647,
1.5644


 28.7834, 15.9657,
1.5646

 29.6528, 17.4805,
2.5452

 30.9771, 19.6554,
4.4467

 32.8354, 22.5661,
7.5505

 35.2808, 26.2729,
12.0157

 38.3594, 30.8294,
17.9770

■ 42.1128, 36.2847,
25.5527

■ 46.5788, 42.6839,
34.8493

■ 51.7922, 50.0691,
45.9639

■ 57.7857, 58.4799,
58.9866

Harmonies

Analogous

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



34.6137, 15.9647, 9.5642



28.7831, 15.9647, 1.5644



19.9573, 15.9647, 0.0000

Triad

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



28.7831, 15.9647, 1.5644



4.9823, 15.9647, 7.6578



18.7052, 15.9647, 99.8576

Complementary

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



28.7831, 15.9647, 1.5644



27.5920, 35.5590, 69.6987

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.



11.2234, 15.9647, 97.2575



28.7831, 15.9647, 1.5644



4.8477, 15.9647, 28.6024

Square

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



28.7831, 15.9647, 1.5644



7.1802, 15.9647, 1.1573



6.7168, 15.9647, 64.9655



27.6042, 15.9647, 70.4958

Rectangle

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



28.7831, 15.9647, 1.5644



14.4487, 15.9647, 0.0000



6.7168, 15.9647, 64.9655



15.9231, 15.9647, 103.1276

Sweetspot

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



28.7834, 15.9657, 1.5646



68.3385, 62.5191, 50.8487



35.8193, 17.5650, 42.3606



14.0031, 12.4902, 9.5759



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.



28.7834, 15.9657, 1.5646



42.2751, 23.3302, 2.2750



38.4447, 35.2883, 4.7851



12.6084, 12.7910, 12.9651



17.2731, 9.6634, 0.9548



1.0986, 0.6963, 0.0765

Inverse Universe

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



27.5920, 35.5590, 69.6987



40.4932, 52.1063, 102.5311



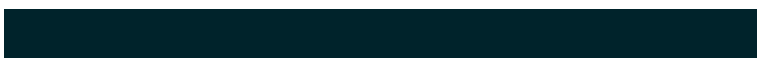
14.3378, 9.0505, 65.2806



12.5866, 13.6965, 15.9178



16.5762, 21.4142, 41.7129



1.0518, 1.3957, 2.5333

Previews

White Background



This preview shows how the XYZ color 28.7831, 15.9647, 1.5644 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 28.7831, 15.9647, 1.5644 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 28.7831, 15.9647, 1.5644

Background



This preview shows how black text looks on a background with the XYZ color 28.7831, 15.9647, 1.5644.



This preview shows how white text looks on a background with the XYZ color 28.7831, 15.9647,

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

28.7831, 15.9647, 1.5644

Protanopia

14.6958, 16.3205, 3.3529

Deuteranopia

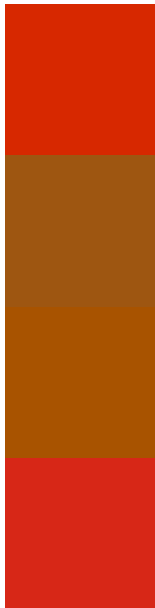
16.2422, 16.1781, 2.2666



Tritanopia

29.0359, 15.9607, 3.2194

Trichromacy



Original Color

28.7831, 15.9647, 1.5644

Protanomaly

17.5295, 13.9651, 2.3020

Deuteranomaly

19.2417, 14.5113, 1.7868

Tritanomaly

28.9045, 15.9600, 2.3678

Monochromacy



Original Color

28.7831, 15.9647, 1.5644

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

12.7986, 9.8603, 4.9701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7831, 15.9647, 1.5644 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, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 40, 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(215, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 40, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.7831, 15.9647, 1.5644 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, 40, 0) }
```


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

```
.border{ border-color:rgb(215, 40, 0) }
```

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

Here you see how a box with a 4 pixel rgb(215, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7831, 15.9647, 1.5644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 40, 0) }
```

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

```
.background{ background-color: rgb(215, 40,  
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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