

Converting Colors

XYZ(28.8182, 15.2687, 2.1773)

Have a look what the booklet for
XYZ(28.8182, 15.2687, 2.1773)
contains.

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Color

**XYZ(28.7506, 15.2307,
2.1835)**

Conversions

Conversions Part 1

Format	Color
Hex	D81616
RGB	216, 22, 22
RGB Percent	85%, 9%, 9%
CMY	0.1529, 0.9136, 0.9137
CMYK	0.00, 0.90, 0.90, 0.15
HSL	0°, 82%, 47%
HSV	0°, 90%, 85%
XYZ	28.7506, 15.2307, 2.1835
YIQ	80.0060, 115.6240, 41.1280

Conversions

Conversions Part 2

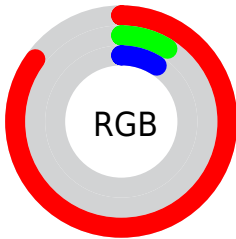
Format	Color
RYB	216, 22, 22
Decimal	14161430
CIELab	45.95, 68.62, 52.47
CIElCh	46, 86.382, 37.404
Yxy	15.2307, 0.6228, 0.3299
Android (android.graphics.Color)	4292351510 (0xFFD81616)
YUV	80.0060, -28.5970, 119.2667
Hunter-Lab	39.0265, 63.2034, 24.0013

Details

The XYZ color **28.7506, 15.2307, 2.1835** 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 **37.2734, 54.2243, 73.4669**, and the grayscale version is **7.6672, 8.0665, 8.7844**.

A 20% lighter version of the original color is **46.3482, 29.7076, 9.0857**, and **12.7625, 6.5793, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **28.3255, 14.6091, 1.3384**, and if you desaturate by 10%, it is **29.6526, 16.5513, 3.9755**.

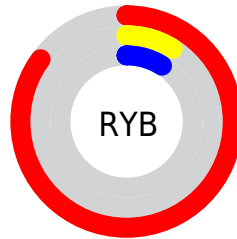
Distribution



Red (85%)

Green (9%)

Blue (9%)



Red (85%)

Yellow (9%)

Blue (9%)

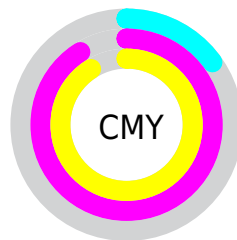


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (15%)



Cyan (15%)


Magenta (91%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7506, 15.2307, 2.1835 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 28.7506, 15.2307, 2.1835 by changing the saturation by 10% instead.

 28.7506, 15.2307,
2.1835


 28.7506, 15.2307,
2.1835


288.0519,
224.7584, 125.1641


 19.0356, 8.9815,
0.6648


 57.0809, 35.2574,
9.5367


 11.8001, 4.7291,
0.0000


 76.4269, 49.8036,
16.2382

 6.6790, 2.0892,
0.0000


 99.7139, 67.8843,
25.5143

 3.3067, 0.6585,
0.0000

 127.3073, 89.8839,
37.7837

 1.3179, 0.0000,
0.0000

 159.5725,
116.1866, 53.4648

 0.1966, 0.0000,
0.0000


 196.8747,


 0.0000, 0.0000,


147.1770, 72.9762


0.0000


 239.5794,
183.2395, 96.7365


 28.7506, 15.2307,
2.1835


 28.7506, 15.2307,
2.1835


 28.3255, 14.6091,
1.3384


 29.6526, 16.5513,
3.9755

 28.3190, 14.5995,
1.3254

 31.1817, 18.7890,
7.0146

 33.4243, 22.0708,
11.4724

 36.4533, 26.5031,
17.4934

 40.3321, 32.1791,
25.2043

■ 45.1182, 39.1825,
34.7189

■ 50.8638, 47.5897,
46.1412

■ 57.6171, 57.4715,
59.5670

■ 65.4231, 68.8937,
75.0861

Harmonies

Analogous

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



33.3562, 15.2307, 11.9202



28.7506, 15.2307, 2.1835



20.5734, 15.2307, 0.0000

Triad

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



28.7506, 15.2307, 2.1835



4.9937, 15.2307, 5.4301



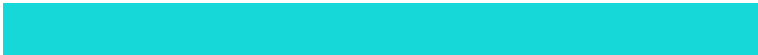
16.3633, 15.2307, 97.0415

Complementary

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



28.7506, 15.2307, 2.1835



37.2734, 54.2243, 73.4669

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.



9.7213, 15.2307, 88.3727



28.7506, 15.2307, 2.1835



4.5356, 15.2307, 22.3278

Square

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



28.7506, 15.2307, 2.1835



7.5094, 15.2307, 0.7412



5.9382, 15.2307, 54.9978



24.7972, 15.2307, 73.4790

Rectangle

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



28.7506, 15.2307, 2.1835



15.1221, 15.2307, 0.0000



5.9382, 15.2307, 54.9978



13.8492, 15.2307, 97.9999

Sweetspot

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



28.7509, 15.2317, 2.1837



67.7117, 59.9971, 54.5498



41.0001, 20.1304, 66.6897



13.9196, 12.0027, 10.5358



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.



28.7509, 15.2317, 2.1837



41.2404, 21.2609, 1.9301



35.0602, 27.8502, 4.2868



12.4235, 12.4211, 12.9034



16.7622, 8.6417, 0.7845



1.0111, 0.5213, 0.0473

Inverse Universe

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



37.2734, 54.2243, 73.4669



53.7974, 78.7149, 106.9658



19.3222, 18.3219, 67.4832



12.7921, 14.1076, 15.9863



21.8660, 31.9938, 43.4761



1.3189, 1.9298, 2.6223

Previews

White Background



This preview shows how the XYZ color 28.7506, 15.2307, 2.1835 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 28.7506, 15.2307, 2.1835 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 28.7506, 15.2307, 2.1835

Background



This preview shows how black text looks on a background with the XYZ color 28.7506, 15.2307, 2.1835.



This preview shows how white text looks on a background with the XYZ color 28.7506, 15.2307,

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

28.7506, 15.2307, 2.1835

Protanopia

14.1273, 15.5160, 4.2578

Deuteranopia

15.6990, 15.5921, 2.1822



Tritanopia

28.7115, 15.2462, 1.8815

Trichromacy



Original Color

28.7506, 15.2307, 2.1835

Protanomaly

16.9035, 12.7267, 3.0044

Deuteranomaly

18.4963, 13.2652, 1.8153

Tritanomaly

28.7345, 15.2554, 2.0024

Monochromacy



Original Color

28.7506, 15.2307, 2.1835

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

11.4066, 8.1108, 5.1020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7506, 15.2307, 2.1835 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(216, 22, 22)` looks like.

```
.text, #text, p{  
    color:rgb(216, 22, 22)  
}
```

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(216, 22, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 22, 22) }
```

Border

The CSS property to change the border of an element to XYZ 28.7506, 15.2307, 2.1835 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(216, 22, 22) }
```


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

```
.border{ border-color:rgb(216, 22, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 22, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 22, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 22, 22);  
box-shadow:4px 4px 4px 4px rgb(216, 22,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7506, 15.2307, 2.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 22, 22) }
```

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

```
.background{ background-color: rgb(216, 22,  
22) }
```

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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