

Converting Colors

XYZ(30.3324, 15.7895, 1.7695)

Have a look what the booklet for
XYZ(30.3324, 15.7895, 1.7695)
contains.

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Color

**XYZ(30.2931, 15.7708,
1.7641)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0A0B
RGB	222, 10, 11
RGB Percent	87%, 4%, 4%
CMY	0.1294, 0.9606, 0.9569
CMYK	0.00, 0.95, 0.95, 0.13
HSL	360°, 91%, 46%
HSV	360°, 95%, 87%
XYZ	30.2931, 15.7708, 1.7641
YIQ	73.5020, 126.0310, 45.2550

Conversions

Conversions Part 2

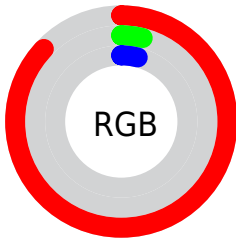
Format	Color
RYB	222, 10, 11
Decimal	14551563
CIELab	46.67, 71.40, 57.45
CIELCh	47, 91.640, 38.821
Yxy	15.7708, 0.6334, 0.3297
Android (android.graphics.Color)	4292741643 (0xFFDE0A0B)
YUV	73.5020, -30.8135, 130.2327
Hunter-Lab	39.7125, 66.6649, 25.1650

Details

The XYZ color **30.2931, 15.7708, 1.7641** 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 **39.3044, 57.5299, 77.4730**, and the grayscale version is **6.4629, 6.7995, 7.4046**.

A 20% lighter version of the original color is **45.9366, 29.2621, 7.7844**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.1294, 15.5316, 1.4385**, and if you desaturate by 10%, it is **30.9232, 16.6864, 3.0374**.

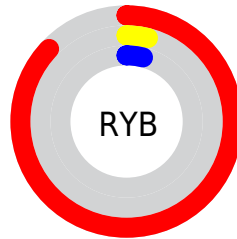
Distribution



Red (87%)

Green (4%)

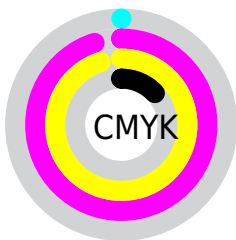
Blue (4%)



Red (87%)

Yellow (4%)

Blue (4%)

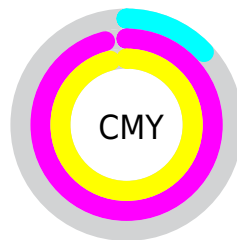


Cyan (0%)

Magenta (95%)

Yellow (95%)

Black (13%)



Cyan (13%)


Magenta (96%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2931, 15.7708, 1.7641 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 30.2931, 15.7708, 1.7641 by changing the saturation by 10% instead.

 30.2931, 15.7708,
1.7641


 30.2931, 15.7708,
1.7641


 295.1536,
227.9854, 118.5990


 20.2103, 9.3621,
0.4041


 59.5088, 36.1998,
8.3852


 12.6572, 4.9781,
0.0000


 79.3725, 50.9890,
14.5849


 7.2683, 2.2344,
0.0000


 103.2273, 69.3404,
23.2688

 3.6783, 0.7387,
0.0000

 131.4384, 91.6385,
34.8553

 1.5218, 0.0000,
0.0000

 164.3712,
118.2676, 49.7630


 0.3406, 0.0000,
0.0000


 202.3911,


 0.0000, 0.0000,


149.6123, 68.4105


0.0000


 245.8635,
186.0567, 91.2164


 30.2931, 15.7708,
1.7641


 30.2931, 15.7708,
1.7641


 30.1294, 15.5316,
1.4385

 30.9232, 16.6864,
3.0374

 32.1587, 18.4878,
5.5136

 34.1037, 21.3286,
9.3969

 36.8432, 25.3335,
14.8539

 40.4497, 30.6095,
22.0279

■ 44.9879, 37.2514,
31.0464

■ 50.5164, 45.3450,
42.0245

■ 57.0887, 54.9693,
55.0680

■ 64.7547, 66.1974,
70.2753

Harmonies

Analogous

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



35.6823, 15.7708, 11.3058



30.2931, 15.7708, 1.7641



21.2042, 15.7708, 0.0000

Triad

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



30.2931, 15.7708, 1.7641



4.7902, 15.7708, 5.7297



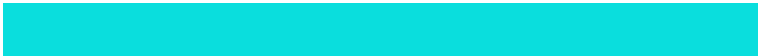
17.4527, 15.7708, 106.6323

Complementary

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



30.2931, 15.7708, 1.7641



39.3044, 57.5299, 77.4730

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.



10.1261, 15.7708, 98.6177



30.2931, 15.7708, 1.7641



4.4038, 15.7708, 24.7801

Square

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



30.2931, 15.7708, 1.7641



7.3161, 15.7708, 0.6342



5.9689, 15.7708, 61.7011



26.7307, 15.7708, 78.6554

Rectangle

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



30.2931, 15.7708, 1.7641



15.3059, 15.7708, 0.0000



5.9689, 15.7708, 61.7011



14.6779, 15.7708, 108.3559

Sweetspot

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



30.2934, 15.7718, 1.7643



66.1538, 57.6800, 51.5684



42.3470, 20.4695, 70.8257



13.4750, 11.3436, 9.6782



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.



30.2934, 15.7718, 1.7643



41.2463, 21.2625, 1.9630



36.0277, 27.2489, 3.6493



13.7098, 13.7015, 14.2418



17.8975, 9.2260, 0.8602



1.2414, 0.6399, 0.0643

Inverse Universe

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



30.2934, 15.7718, 1.7643



41.2463, 21.2625, 1.9630



19.9739, 18.6655, 71.6566



13.7098, 13.7015, 14.2418



17.8975, 9.2260, 0.8602



1.2414, 0.6399, 0.0643

Previews

White Background



This preview shows how the XYZ color 30.2931, 15.7708, 1.7641 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 30.2931, 15.7708, 1.7641

Background



This preview shows how black text looks on a background with the XYZ color 30.2931, 15.7708, 1.7641.



This preview shows how white text looks on a background with the XYZ color 30.2931, 15.7708,

1.7641.

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

30.2931, 15.7708, 1.7641

Protanopia

14.6591, 16.1282, 3.7069

Deuteranopia

16.2422, 16.1781, 2.2666



Tritanopia

30.0689, 15.8725, 1.4789

Trichromacy



Original Color

30.2931, 15.7708, 1.7641

Protanomaly

17.3789, 12.6752, 2.3947

Deuteranomaly

18.9168, 13.1895, 1.6637

Tritanomaly

30.0260, 15.7515, 1.5727

Monochromacy



Original Color

30.2931, 15.7708, 1.7641

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

10.6835, 7.1959, 3.9578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2931, 15.7708, 1.7641 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(222, 10, 11)` looks like.

```
.text, #text, p{  
    color:rgb(222, 10, 11)  
}
```

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(222, 10, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 10, 11) }
```

Border

The CSS property to change the border of an element to XYZ 30.2931, 15.7708, 1.7641 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(222, 10, 11) }
```


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

```
.border{ border-color:rgb(222, 10, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 10, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 10, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 10, 11);  
box-shadow:4px 4px 4px 4px rgb(222, 10,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2931, 15.7708, 1.7641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 10, 11) }
```

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

```
.background{ background-color: rgb(222, 10,  
11) }
```

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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