

Converting Colors

XYZ(30.5441, 15.7964, 1.4821)

Have a look what the booklet for
XYZ(30.5441, 15.7964, 1.4821)
contains.

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Color

**XYZ(30.4695, 15.7553,
1.4639)**

Conversions

Conversions Part 1

Format	Color
Hex	DF0301
RGB	223, 3, 1
RGB Percent	87%, 1%, 0%
CMY	0.1255, 0.9880, 0.9961
CMYK	0.00, 0.99, 1.00, 0.13
HSL	1°, 99%, 44%
HSV	1°, 100%, 87%
XYZ	30.4695, 15.7553, 1.4639
YIQ	68.5520, 131.7620, 46.0180

Conversions

Conversions Part 2

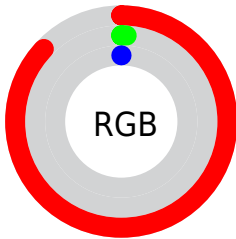
Format	Color
RYB	223, 3, 1
Decimal	14615297
CIELab	46.65, 72.15, 60.46
CIElCh	47, 94.134, 39.964
Yxy	15.7553, 0.6389, 0.3304
Android (android.graphics.Color)	4292805377 (0xFFDF0301)
YUV	68.5520, -33.3031, 135.4509
Hunter-Lab	39.6929, 67.5593, 25.5984

Details

The XYZ color **30.4695, 15.7553, 1.4639** 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 **39.1747, 57.0201, 78.7528**, and the grayscale version is **5.6257, 5.9186, 6.4454**.

A 20% lighter version of the original color is **45.6100, 28.8579, 6.9076**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **30.4536, 15.7326, 1.4316**, and if you desaturate by 10%, it is **30.9397, 16.4525, 2.3715**.

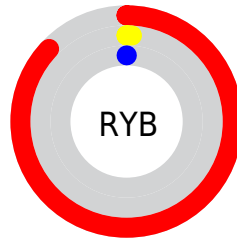
Distribution



Red (87%)

Green (1%)

Blue (0%)



Red (87%)

Yellow (1%)

Blue (0%)

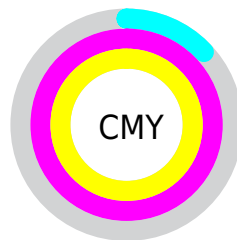


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (99%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4695, 15.7553, 1.4639 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 30.4695, 15.7553, 1.4639 by changing the saturation by 10% instead.

 30.4695, 15.7553,
1.4639


 30.4695, 15.7553,
1.4639


 295.9575,
227.8934, 113.4018


 20.3451, 9.3512,
0.1908


 59.7854, 36.1729,
7.5152


 12.7558, 4.9709,
0.0000


 79.7076, 50.9551,
13.3189

 7.3365, 2.2302,
0.0000


 103.6264, 69.2988,
21.5327

 3.7216, 0.7364,
0.0000

 131.9073, 91.5884,
32.5751

 1.5459, 0.0000,
0.0000

 164.9154,
118.2083, 46.8647

 0.3567, 0.0000,
0.0000


 203.0163,


 0.0000, 0.0000,


149.5428, 64.8200


0.0000


 246.5752,
185.9764, 86.8595


 30.4695, 15.7553,
1.4639


 30.4695, 15.7553,
1.4639


 30.4536, 15.7326,
1.4316

 30.9397, 16.4525,
2.3715

 31.9427, 17.9343,
4.3219

 33.6203, 20.4015,
7.6190

 36.0631, 23.9851,
12.4468

 39.3474, 28.7960,
18.9604

■ 43.5406, 34.9319,
27.2962

■ 48.7031, 42.4806,
37.5764

■ 54.8903, 51.5223,
49.9127

■ 62.1531, 62.1312,
64.4086

Harmonies

Analogous

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



36.2998, 15.7553, 10.5058



30.4695, 15.7553, 1.4639



21.0063, 15.7553, 0.0000

Triad

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



30.4695, 15.7553, 1.4639



4.5549, 15.7553, 5.9205



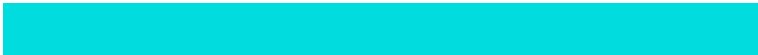
17.8514, 15.7553, 110.0868

Complementary

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



30.4695, 15.7553, 1.4639



39.1747, 57.0201, 78.7528

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.



10.2251, 15.7553, 103.1989



30.4695, 15.7553, 1.4639



4.2406, 15.7553, 26.1444

Square

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



30.4695, 15.7553, 1.4639



7.0004, 15.7553, 0.5793



5.8936, 15.7553, 65.0945



27.4536, 15.7553, 79.5991

Rectangle

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



30.4695, 15.7553, 1.4639



14.9847, 15.7553, 0.0000



5.8936, 15.7553, 65.0945



14.9652, 15.7553, 112.4395

Sweetspot

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



30.4698, 15.7563, 1.4641



65.4877, 56.8175, 49.8985



43.7613, 21.0373, 71.5657



13.3540, 11.1918, 9.3595



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.



30.4698, 15.7563, 1.4641



41.2656, 21.3111, 1.9385



36.2309, 27.2785, 3.3845



13.7174, 13.7207, 14.2322



17.9108, 9.2596, 0.8433



1.2451, 0.6491, 0.0597

Inverse Universe

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



39.1747, 57.0201, 78.7528



53.0633, 77.2465, 106.7211



19.1260, 16.9226, 72.0699



14.1052, 15.5495, 17.6456



23.0304, 33.5304, 46.3066



1.5999, 2.3312, 3.2109

Previews

White Background



This preview shows how the XYZ color 30.4695, 15.7553, 1.4639 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 30.4695, 15.7553, 1.4639 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 30.4695, 15.7553, 1.4639

Background



This preview shows how black text looks on a background with the XYZ color 30.4695, 15.7553, 1.4639.



This preview shows how white text looks on a background with the XYZ color 30.4695, 15.7553,

1.4639.

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

30.4695, 15.7553, 1.4639

Protanopia

14.7311, 16.3346, 3.5389

Deuteranopia

16.4130, 16.2662, 2.2746



Tritanopia

30.0870, 15.9085, 1.4849

Trichromacy



Original Color

30.4695, 15.7553, 1.4639

Protanomaly

17.1980, 12.3892, 2.1010

Deuteranomaly

18.9227, 12.9142, 1.4953

Tritanomaly

30.2812, 15.8437, 1.4621

Monochromacy



Original Color

30.4695, 15.7553, 1.4639

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.8505, 6.4186, 3.1026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4695, 15.7553, 1.4639 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(223, 3, 1)` looks like.

```
.text, #text, p{  
    color:rgb(223, 3, 1)  
}
```

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(223, 3, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 3, 1) }
```

Border

The CSS property to change the border of an element to XYZ 30.4695, 15.7553, 1.4639 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(223, 3, 1) }
```


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

```
.border{ border-color:rgb(223, 3, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 3, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 3, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(223, 3, 1); box-shadow:4px  
4px 4px 4px rgb(223, 3, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4695, 15.7553, 1.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 3, 1) }
```

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

```
.background{ background-color: rgb(223, 3,  
1) }
```

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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