

Converting Colors

XYZ(30.1369, 15.5294, 1.7164)

Have a look what the booklet for
XYZ(30.1369, 15.5294, 1.7164)
contains.

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Color

**XYZ(30.1846, 15.5538,
1.7279)**

Conversions

Conversions Part 1

Format	Color
Hex	DE000B
RGB	222, 0, 11
RGB Percent	87%, 0%, 4%
CMY	0.1294, 0.9998, 0.9569
CMYK	0.00, 1.00, 0.95, 0.13
HSL	357°, 100%, 44%
HSV	357°, 100%, 87%
XYZ	30.1846, 15.5538, 1.7279
YIQ	67.6320, 128.7810, 50.4850

Conversions

Conversions Part 2

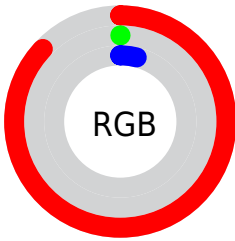
Format	Color
R_{YB}	222, 0, 11
Decimal	14549003
CIE Lab	46.38, 72.23, 57.30
CIE LCh	46, 92.201, 38.422
Yxy	15.5538, 0.6359, 0.3277
Android (android.graphics.Color)	4292739083 (0xFFDE000B)
YUV	67.6320, -27.9196, 135.3807
Hunter-Lab	39.4383, 67.6002, 25.0092

Details

The XYZ color **30.1846, 15.5538, 1.7279** 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 **37.8862, 56.9482, 70.6579**, and the grayscale version is **5.4691, 5.7539, 6.2660**.

A 20% lighter version of the original color is **45.6819, 28.7526, 7.6995**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.1840, 15.5535, 1.7263**, and if you desaturate by 10%, it is **30.6779, 16.2179, 2.8876**.

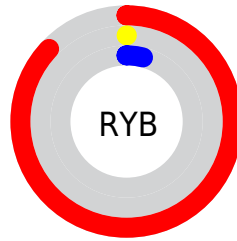
Distribution



Red (87%)

Green (0%)

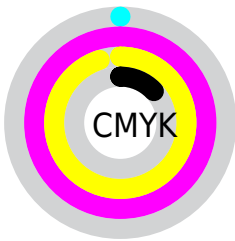
Blue (4%)



Red (87%)

Yellow (0%)

Blue (4%)

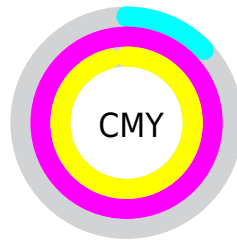


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1846, 15.5538, 1.7279 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 30.1846, 15.5538, 1.7279 by changing the saturation by 10% instead.


 30.1846, 15.5538,
1.7279


 30.1846, 15.5538,
1.7279


 294.6584,
226.6942, 117.9974


 20.1275, 9.2090,
0.3797

 59.3386, 35.8218,
8.2826


 12.5966, 4.8777,
0.0000


 79.1663, 50.5138,
14.4364

 7.2264, 2.1757,
0.0000


 102.9815, 68.7570,
23.0659

 3.6517, 0.7067,
0.0000

 131.1496, 90.9357,
34.5896

 1.5070, 0.0000,
0.0000

 164.0360,
117.4344, 49.4260

 0.3306, 0.0000,
0.0000


 202.0060,


 0.0000, 0.0000,


148.6374, 67.9938


0.0000


 245.4250,
184.9292, 90.7114


 30.1846, 15.5538,
1.7279


 30.1846, 15.5538,
1.7279

 30.1840, 15.5535,
1.7263

 30.6779, 16.2179,
2.8876

 31.6891, 17.6239,
5.1253

 33.3573, 20.0015,
8.6371

 35.7690, 23.4839,
13.5748

 38.9974, 28.1835,
20.0685

■ 43.1071, 34.1986,
28.2340

■ 48.1562, 41.6177,
38.1760

■ 54.1976, 50.5216,
49.9904

■ 61.2807, 60.9850,
63.7667

Harmonies

Analogous

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



35.5060, 15.5538, 11.3237



30.1846, 15.5538, 1.7279



21.1109, 15.5538, 0.0000

Triad

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



30.1846, 15.5538, 1.7279



4.6718, 15.5538, 5.4374



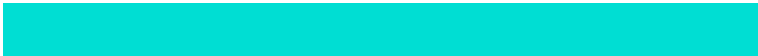
17.1246, 15.5538, 106.8771

Complementary

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



30.1846, 15.5538, 1.7279



37.8862, 56.9482, 70.6579

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.



9.8664, 15.5538, 98.2985



30.1846, 15.5538, 1.7279



4.2658, 15.5538, 24.1490

Square

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



30.1846, 15.5538, 1.7279



7.2036, 15.5538, 0.5409



5.7833, 15.5538, 60.9801



26.3908, 15.5538, 79.1015

Rectangle

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



30.1846, 15.5538, 1.7279



15.2060, 15.5538, 0.0000



5.7833, 15.5538, 60.9801



14.3687, 15.5538, 108.4322

Sweetspot

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



30.1849, 15.5548, 1.7281



65.7318, 56.6888, 51.8816



40.0211, 19.1095, 70.6857



13.4092, 11.1629, 9.8075



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.



30.1849, 15.5548, 1.7281



41.3099, 21.2880, 2.2983



34.6747, 24.6304, 2.9282



13.7345, 13.7114, 14.3721



17.9407, 9.2433, 1.0877



1.2533, 0.6446, 0.1270

Inverse Universe

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



30.1849, 15.5548, 1.7281



41.3099, 21.2880, 2.2983



20.1602, 19.2238, 71.7546



13.7345, 13.7114, 14.3721



17.9407, 9.2433, 1.0877



1.2533, 0.6446, 0.1270

Previews

White Background



This preview shows how the XYZ color 30.1846, 15.5538, 1.7279 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 30.1846, 15.5538, 1.7279 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 30.1846, 15.5538, 1.7279

Background



This preview shows how black text looks on a background with the XYZ color 30.1846, 15.5538, 1.7279.



This preview shows how white text looks on a background with the XYZ color 30.1846, 15.5538,

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

30.1846, 15.5538, 1.7279

Protanopia

14.6591, 16.1282, 3.7069

Deuteranopia

16.1385, 15.9708, 2.2321



Tritanopia

29.7834, 15.7520, 1.4707

Trichromacy



Original Color

30.1846, 15.5538, 1.7279

Protanomaly

17.1160, 12.1495, 2.3071

Deuteranomaly

18.6066, 12.5691, 1.5603

Tritanomaly

29.9846, 15.6688, 1.5589

Monochromacy



Original Color

30.1846, 15.5538, 1.7279

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.6891, 6.2181, 3.3789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1846, 15.5538, 1.7279 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, 0, 11)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 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, 0, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 11) }
```

Border

The CSS property to change the border of an element to XYZ 30.1846, 15.5538, 1.7279 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, 0, 11) }
```


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

```
.border{ border-color:rgb(222, 0, 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, 0, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 11);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 11)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.1846, 15.5538, 1.7279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 11) }
```

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

```
.background{ background-color: rgb(222, 0,  
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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