

Converting Colors

XYZ(30.7365, 15.8381, 1.7586)

Have a look what the booklet for
XYZ(30.7365, 15.8381, 1.7586)
contains.

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Color

**XYZ(30.8009, 15.8715,
1.7567)**

Conversions

Conversions Part 1

Format	Color
Hex	E0000B
RGB	224, 0, 11
RGB Percent	88%, 0%, 4%
CMY	0.1216, 0.9998, 0.9569
CMYK	0.00, 1.00, 0.95, 0.12
HSL	357°, 100%, 44%
HSV	357°, 100%, 88%
XYZ	30.8009, 15.8715, 1.7567
YIQ	68.2300, 129.9730, 50.9090

Conversions

Conversions Part 2

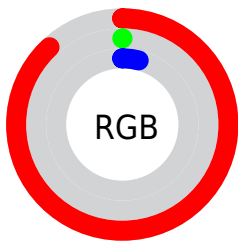
Format	Color
RYB	224, 0, 11
Decimal	14680075
CIELab	46.81, 72.72, 57.75
CIELCh	47, 92.862, 38.453
Yxy	15.8715, 0.6360, 0.3277
Android (android.graphics.Color)	4292870155 (0xFFE0000B)
YUV	68.2300, -28.2144, 136.6103
Hunter-Lab	39.8391, 68.2860, 25.2729

Details

The XYZ color **30.8009, 15.8715, 1.7567** 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 **38.6733, 58.1181, 72.1665**, and the grayscale version is **5.5658, 5.8556, 6.3768**.

A 20% lighter version of the original color is **45.7657, 28.9201, 7.7275**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **30.8003, 15.8712, 1.7551**, and if you desaturate by 10%, it is **31.3008, 16.5445, 2.9320**.

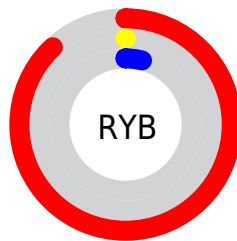
Distribution



Red (88%)

Green (0%)

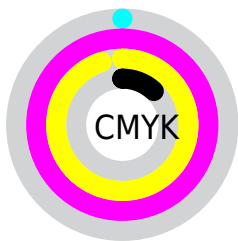
Blue (4%)



Red (88%)

Yellow (0%)

Blue (4%)

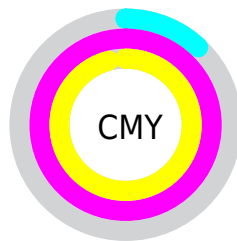


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8009, 15.8715, 1.7567 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 30.8009, 15.8715, 1.7567 by changing the saturation by 10% instead.


 30.8009, 15.8715,
1.7567


 30.8009, 15.8715,
1.7567


 297.4633,
228.5823, 118.4765


 20.5984, 9.4333,
0.3992


 60.3044, 36.3750,
8.3643


 12.9415, 5.0249,
0.0000


 80.3362, 51.2090,
14.5546


 7.4650, 2.2619,
0.0000


 104.3750, 69.6104,
23.2274

 3.8035, 0.7534,
0.0000

 132.7863, 91.9637,
34.8012

 1.5916, 0.0000,
0.0000

 165.9354,
118.6531, 49.6944


 0.3869, 0.0000,
0.0000


 204.1877,


 0.0000, 0.0000,


150.0630, 68.3257


0.0000


 247.9086,
186.5780, 91.1135


 30.8009, 15.8715,
1.7567


 30.8009, 15.8715,
1.7567


 30.8003, 15.8712,
1.7551

 31.3008, 16.5445,
2.9320

 32.3298, 17.9756,
5.2079

 34.0297, 20.3987,
8.7852

 36.4888, 23.9500,
13.8193

 39.7823, 28.7443,
20.4436

■ 43.9761, 34.8824,
28.7766

■ 49.1297, 42.4547,
38.9253

■ 55.2972, 51.5438,
50.9883

■ 62.5290, 62.2259,
65.0568

Harmonies

Analogous

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



36.2403, 15.8715, 11.5352



30.8009, 15.8715, 1.7567



21.5353, 15.8715, 0.0000

Triad

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



30.8009, 15.8715, 1.7567



4.7631, 15.8715, 5.5556



17.4844, 15.8715, 109.1097

Complementary

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



30.8009, 15.8715, 1.7567



38.6733, 58.1181, 72.1665

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.



10.0720, 15.8715, 100.3889



30.8009, 15.8715, 1.7567



4.3508, 15.8715, 24.6753

Square

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



30.8009, 15.8715, 1.7567



7.3443, 15.8715, 0.5577



5.9015, 15.8715, 62.2956



26.9452, 15.8715, 80.7160

Rectangle

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



30.8009, 15.8715, 1.7567



15.5084, 15.8715, 0.0000



5.9015, 15.8715, 62.2956



14.6701, 15.8715, 110.7119

Sweetspot

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



30.8012, 15.8725, 1.7569



65.7283, 56.6874, 51.8630



40.8382, 19.4995, 72.1318



13.4084, 11.1626, 9.8033



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.



30.8012, 15.8725, 1.7569



41.3092, 21.2877, 2.2946



35.3777, 25.1217, 2.9859



13.7343, 13.7113, 14.3708



17.9403, 9.2431, 1.0855



1.2532, 0.6446, 0.1264

Inverse Universe

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



30.8012, 15.8725, 1.7569



41.3092, 21.2877, 2.2946



20.5660, 19.6038, 73.2204



13.7343, 13.7113, 14.3708



17.9403, 9.2431, 1.0855



1.2532, 0.6446, 0.1264

Previews

White Background



This preview shows how the XYZ color 30.8009, 15.8715, 1.7567 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 30.8009, 15.8715, 1.7567

Background



This preview shows how black text looks on a background with the XYZ color 30.8009, 15.8715, 1.7567.



This preview shows how white text looks on a background with the XYZ color 30.8009, 15.8715,

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

30.8009, 15.8715, 1.7567

Protanopia

14.9182, 16.4266, 3.7509

Deuteranopia

16.4130, 16.2662, 2.2746



Tritanopia

30.3924, 16.0659, 1.4992

Trichromacy



Original Color

30.8009, 15.8715, 1.7567

Protanomaly

17.3825, 12.3821, 2.3380

Deuteranomaly

19.1023, 12.9137, 1.6006

Tritanomaly

30.5973, 15.9846, 1.5875

Monochromacy



Original Color

30.8009, 15.8715, 1.7567

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.8344, 6.2930, 3.3857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8009, 15.8715, 1.7567 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(224, 0, 11)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 0, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 11) }
```

Border

The CSS property to change the border of an element to XYZ 30.8009, 15.8715, 1.7567 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(224, 0, 11) }
```


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

```
.border{ border-color:rgb(224, 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(224, 0, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 11);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 11)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.8009, 15.8715, 1.7567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 11) }
```

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

```
.background{ background-color: rgb(224, 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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