

Converting Colors

XYZ(30.9060, 15.9278, 1.6624)

Have a look what the booklet for
XYZ(30.9060, 15.9278, 1.6624)
contains.

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Color

**XYZ(30.7843, 15.8648,
1.6694)**

Conversions

Conversions Part 1

Format	Color
Hex	E00008
RGB	224, 0, 8
RGB Percent	88%, 0%, 3%
CMY	0.1216, 0.9998, 0.9686
CMYK	0.00, 1.00, 0.96, 0.12
HSL	358°, 100%, 44%
HSV	358°, 100%, 88%
XYZ	30.7843, 15.8648, 1.6694
YIQ	67.8880, 130.9360, 49.9760

Conversions

Conversions Part 2

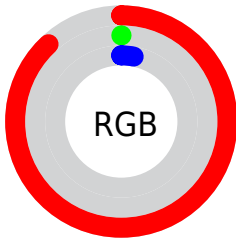
Format	Color
R_{YB}	224, 0, 8
Decimal	14680072
CIE Lab	46.80, 72.70, 58.58
CIE LCh	47, 93.366, 38.864
Yxy	15.8648, 0.6371, 0.3283
Android (android.graphics.Color)	4292870152 (0xFFE00008)
YUV	67.8880, -29.5248, 136.9102
Hunter-Lab	39.8306, 68.2554, 25.3965

Details

The XYZ color **30.7843, 15.8648, 1.6694** 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 **39.0573, 58.2717, 74.1892**, and the grayscale version is **5.5121, 5.7992, 6.3153**.

A 20% lighter version of the original color is **45.7118, 28.8986, 7.4437**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **30.7838, 15.8646, 1.6680**, and if you desaturate by 10%, it is **31.2652, 16.5301, 2.7448**.

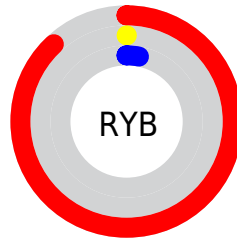
Distribution



Red (88%)

Green (0%)

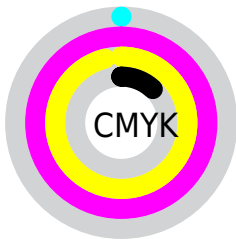
Blue (3%)



Red (88%)

Yellow (0%)

Blue (3%)

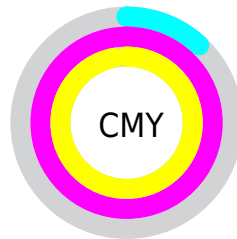


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7843, 15.8648, 1.6694 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 30.7843, 15.8648, 1.6694 by changing the saturation by 10% instead.


 30.7843, 15.8648,
1.6694


 30.7843, 15.8648,
1.6694

 297.3880,
228.5426, 117.0115


 20.5857, 9.4285,
0.3396


 60.2785, 36.3633,
8.1155


 12.9322, 5.0217,
0.0000


 80.3047, 51.1944,
14.1941

 7.4586, 2.2600,
0.0000


 104.3376, 69.5925,
22.7345

 3.7994, 0.7524,
0.0000

 132.7423, 91.9420,
34.1551

 1.5893, 0.0000,
0.0000

 165.8844,
118.6274, 48.8746

 0.3854, 0.0000,
0.0000


 204.1292,


 0.0000, 0.0000,


150.0331, 67.3115


0.0000


 247.8419,
186.5433, 89.8843


 30.7843, 15.8648,
1.6694


 30.7843, 15.8648,
1.6694


 30.7838, 15.8646,
1.6680

 31.2652, 16.5301,
2.7448

 32.2751, 17.9535,
4.9206

 33.9588, 20.3700,
8.4131

 36.4063, 23.9165,
13.3862

 39.6939, 28.7083,
19.9796

■ 43.8885, 34.8466,
28.3172

■ 49.0504, 42.4221,
38.5106

■ 55.2347, 51.5177,
50.6623

■ 62.4923, 62.2099,
64.8672

Harmonies

Analogous

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



36.3482, 15.8648, 11.2626



30.7843, 15.8648, 1.6694



21.4345, 15.8648, 0.0000

Triad

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



30.7843, 15.8648, 1.6694



4.7052, 15.8648, 5.6513



17.6134, 15.8648, 109.7363

Complementary

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



30.7843, 15.8648, 1.6694



39.0573, 58.2717, 74.1892

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.



10.1232, 15.8648, 101.4713



30.7843, 15.8648, 1.6694



4.3190, 15.8648, 25.1154

Square

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



30.7843, 15.8648, 1.6694



7.2542, 15.8648, 0.5583



5.9002, 15.8648, 63.2243



27.1421, 15.8648, 80.6640

Rectangle

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



30.7843, 15.8648, 1.6694



15.3906, 15.8648, 0.0000



5.9002, 15.8648, 63.2243



14.7717, 15.8648, 111.5466

Sweetspot

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



30.7846, 15.8658, 1.6696



65.6227, 56.6452, 51.3068



40.8381, 19.4994, 72.1318



13.3845, 11.1530, 9.6774



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.



30.7846, 15.8658, 1.6696



41.2896, 21.2798, 2.1911



35.3775, 25.1213, 2.9858



13.7269, 13.7084, 14.3318



17.9274, 9.2380, 1.0176



1.2497, 0.6431, 0.1077

Inverse Universe

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



30.7846, 15.8658, 1.6696



41.2896, 21.2798, 2.1911



20.5657, 19.6034, 73.2204



13.7269, 13.7084, 14.3318



17.9274, 9.2380, 1.0176



1.2497, 0.6431, 0.1077

Previews

White Background



This preview shows how the XYZ color 30.7843, 15.8648, 1.6694 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 30.7843, 15.8648, 1.6694

Background



This preview shows how black text looks on a background with the XYZ color 30.7843, 15.8648, 1.6694.



This preview shows how white text looks on a background with the XYZ color 30.7843, 15.8648,

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

30.7843, 15.8648, 1.6694

Protanopia

14.9048, 16.4212, 3.6804

Tritanopia

30.3924, 16.0659, 1.4992

Trichromacy



Original Color

30.7843, 15.8648, 1.6694

Protanomaly

17.3723, 12.3780, 2.2842

Tritanomaly

30.5918, 15.9824, 1.5587

Monochromacy



Original Color

30.7843, 15.8648, 1.6694

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.8145, 6.2850, 3.2806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7843, 15.8648, 1.6694 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, 8)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 8)  
}
```

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, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 8) }
```

Border

The CSS property to change the border of an element to XYZ 30.7843, 15.8648, 1.6694 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, 8) }
```

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

```
.border{ border-color:rgb(224, 0, 8) }
```

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, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(224, 0, 8); box-shadow:4px  
4px 4px 4px rgb(224, 0, 8) }
```


Background

The CSS property to change the background color of an element to XYZ 30.7843, 15.8648, 1.6694 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, 8) }
```

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

```
.background{ background-color: rgb(224, 0,  
8) }
```

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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