

Converting Colors

XYZ(30.8460, 15.9883, 1.4603)

Have a look what the booklet for
XYZ(30.8460, 15.9883, 1.4603)
contains.

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Color

**XYZ(30.7947, 15.9558,
1.4567)**

Conversions

Conversions Part 1

Format	Color
Hex	E00500
RGB	224, 5, 0
RGB Percent	88%, 2%, 0%
CMY	0.1216, 0.9802, 1.0000
CMYK	0.00, 0.98, 1.00, 0.12
HSL	1°, 100%, 44%
HSV	1°, 100%, 88%
XYZ	30.7947, 15.9558, 1.4567
YIQ	69.9110, 132.1290, 44.8730

Conversions

Conversions Part 2

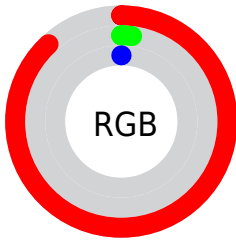
Format	Color
RYB	224, 5, 0
Decimal	14681344
CIELab	46.92, 72.22, 61.00
CIELCh	47, 94.533, 40.185
Yxy	15.9558, 0.6388, 0.3310
Android (android.graphics.Color)	4292871424 (0xFFE00500)
YUV	69.9110, -34.4661, 135.1361
Hunter-Lab	39.9447, 67.7083, 25.7991

Details

The XYZ color **30.7947, 15.9558, 1.4567** 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 **38.7721, 56.0172, 79.2893**, and the grayscale version is **5.8515, 6.1563, 6.7042**.

A 20% lighter version of the original color is **45.6707, 29.0180, 6.8084**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **30.7950, 15.9568, 1.4569**, and if you desaturate by 10%, it is **31.2796, 16.6881, 2.3520**.

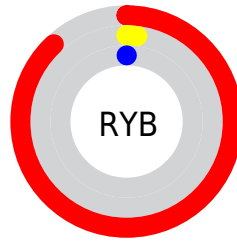
Distribution



Red (88%)

Green (2%)

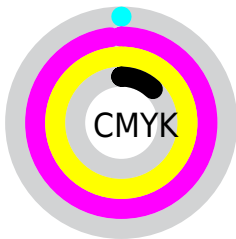
Blue (0%)



Red (88%)

Yellow (2%)

Blue (0%)

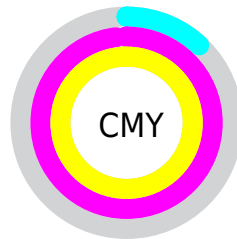


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7947, 15.9558, 1.4567 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 30.7947, 15.9558, 1.4567 by changing the saturation by 10% instead.


 30.7947, 15.9558,
1.4567


 30.7947, 15.9558,
1.4567


 297.4352,
229.0808, 113.2708


 20.5936, 9.4929,
0.1854


 60.2947, 36.5215,
7.4938


 12.9380, 5.0640,
0.0000


 80.3244, 51.3930,
13.2875


 7.4626, 2.2849,
0.0000


 104.3610, 69.8362,
21.4895

 3.8019, 0.7657,
0.0000

 132.7699, 92.2354,
32.5181

 1.5907, 0.0000,
0.0000

 165.9164,
118.9751, 46.7920

 0.3863, 0.0000,
0.0000


 204.1659,


 0.0000, 0.0000,


150.4396, 64.7297


0.0000


 247.8837,
187.0134, 86.7498


 30.7947, 15.9558,
1.4567


 30.7947, 15.9558,
1.4567


 30.7950, 15.9568,
1.4569

 31.2796, 16.6881,
2.3520

 32.3017, 18.2185,
4.2765

 33.9958, 20.7279,
7.5508

 36.4507, 24.3427,
12.3613

 39.7416, 29.1706,
18.8651

■ 43.9347, 35.3066,
27.2000

■ 49.0896, 42.8361,
37.4896

■ 55.2608, 51.8373,
49.8469

■ 62.4986, 62.3827,
64.3759

Harmonies

Analogous

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



36.7430, 15.9558, 10.5160



30.7947, 15.9558, 1.4567



21.2020, 15.9558, 0.0000

Triad

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



30.7947, 15.9558, 1.4567



4.6033, 15.9558, 6.0767



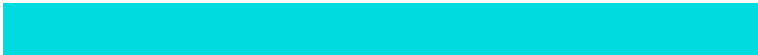
18.1461, 15.9558, 111.3853

Complementary

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



30.7947, 15.9558, 1.4567



38.7721, 56.0172, 79.2893

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.



10.3996, 15.9558, 104.7116



30.7947, 15.9558, 1.4567



4.2990, 15.9558, 26.7054

Square

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



30.7947, 15.9558, 1.4567



7.0614, 15.9558, 0.6061



5.9896, 15.9558, 66.2495



27.8731, 15.9558, 80.3018

Rectangle

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



30.7947, 15.9558, 1.4567



15.1145, 15.9558, 0.0000



5.9896, 15.9558, 66.2495



15.2166, 15.9558, 113.8727

Sweetspot

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



30.7950, 15.9568, 1.4569



65.6930, 57.2281, 49.9669



43.6937, 21.0286, 69.6509



13.4003, 11.2845, 9.3749



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.



30.7950, 15.9568, 1.4569



41.3024, 21.3849, 1.9508



36.9549, 28.2765, 3.5102



13.7319, 13.7498, 14.2370



17.9363, 9.3104, 0.8517



1.2521, 0.6631, 0.0620

Inverse Universe

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



38.7721, 56.0172, 79.2893



52.0026, 75.1252, 106.3675



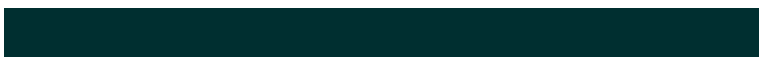
18.8451, 16.1632, 72.6469



14.0887, 15.5165, 17.6401



22.5805, 32.6307, 46.1566



1.5737, 2.2788, 3.2022

Previews

White Background



This preview shows how the XYZ color 30.7947, 15.9558, 1.4567 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 30.7947, 15.9558, 1.4567

Background



This preview shows how black text looks on a background with the XYZ color 30.7947, 15.9558, 1.4567.



This preview shows how white text looks on a background with the XYZ color 30.7947, 15.9558,

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

30.7947, 15.9558, 1.4567

Protanopia

14.8793, 16.4110, 3.5458

Deuteranopia

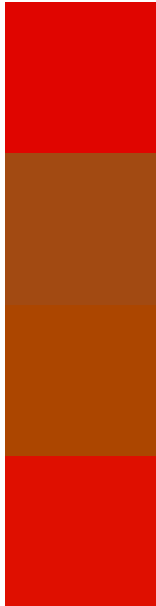
16.4130, 16.2662, 2.2746



Tritanopia

30.3924, 16.0659, 1.4992

Trichromacy



Original Color

30.7947, 15.9558, 1.4567

Protanomaly

17.4583, 12.6226, 2.0885

Deuteranomaly

19.2034, 13.1510, 1.5263

Tritanomaly

30.6022, 16.0296, 1.4811

Monochromacy



Original Color

30.7947, 15.9558, 1.4567

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

10.0548, 6.5791, 3.2226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7947, 15.9558, 1.4567 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, 5, 0)` looks like.

```
.text, #text, p{  
  color:rgb(224, 5, 0)  
}
```

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, 5, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 5, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.7947, 15.9558, 1.4567 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, 5, 0) }
```


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

```
.border{ border-color:rgb(224, 5, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 5, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 5, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(224, 5, 0); box-shadow:4px  
4px 4px 4px rgb(224, 5, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7947, 15.9558, 1.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 5, 0) }
```

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

```
.background{ background-color: rgb(224, 5,  
0) }
```

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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