

Converting Colors

XYZ(30.9505, 15.9456, 1.8968)

Have a look what the booklet for
XYZ(30.9505, 15.9456, 1.8968)
contains.

XYZ(30.8267, 15.8818, 1.8927)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.8267, 15.8818,
1.8927)**

Conversions

Conversions Part 1

Format	Color
Hex	E0000F
RGB	224, 0, 15
RGB Percent	88%, 0%, 6%
CMY	0.1216, 0.9998, 0.9412
CMYK	0.00, 1.00, 0.93, 0.12
HSL	356°, 100%, 44%
HSV	356°, 100%, 88%
XYZ	30.8267, 15.8818, 1.8927
YIQ	68.6860, 128.6890, 52.1530

Conversions

Conversions Part 2

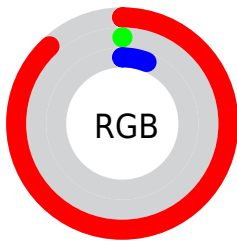
Format	Color
R_{YB}	224, 0, 15
Decimal	14680079
CIE Lab	46.82, 72.76, 56.50
CIE LCh	47, 92.120, 37.830
Yxy	15.8818, 0.6343, 0.3268
Android (android.graphics.Color)	4292870159 (0xFFE0000F)
YUV	68.6860, -26.4672, 136.2104
Hunter-Lab	39.8520, 68.3342, 25.0805

Details

The XYZ color **30.8267, 15.8818, 1.8927** 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 **38.1712, 57.9172, 69.5226**, and the grayscale version is **5.6372, 5.9308, 6.4586**.

A 20% lighter version of the original color is **45.8216, 28.9425, 8.0219**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **30.8261, 15.8815, 1.8908**, and if you desaturate by 10%, it is **31.3529, 16.5653, 3.2065**.

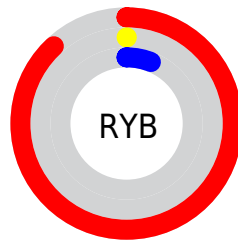
Distribution



Red (88%)

Green (0%)

Blue (6%)



Red (88%)

Yellow (0%)

Blue (6%)

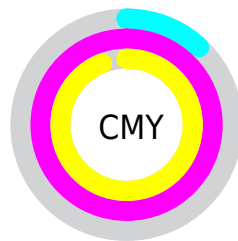


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8267, 15.8818, 1.8927 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 30.8267, 15.8818, 1.8927 by changing the saturation by 10% instead.


 30.8267, 15.8818,
1.8927


 30.8267, 15.8818,
1.8927


297.5803,
228.6432, 120.6877


 20.6181, 9.4406,
0.4881


 60.3448, 36.3929,
8.7453

 12.9560, 5.0296,
0.0000


 80.3851, 51.2315,
15.1045

 7.4750, 2.2647,
0.0000


 104.4332, 69.6380,
23.9770

 3.8099, 0.7549,
0.0000

 132.8547, 91.9969,
35.7813

 1.5951, 0.0000,
0.0000

 166.0147,
118.6924, 50.9360

 0.3892, 0.0000,
0.0000


 204.2788,


 0.0000, 0.0000,


150.1091, 69.8596


0.0000


 248.0122,
186.6312, 92.9707


 30.8267, 15.8818,
1.8927


 30.8267, 15.8818,
1.8927


 30.8261, 15.8815,
1.8908

 31.3529, 16.5653,
3.2065

 32.4068, 18.0063,
5.6137

 34.1275, 20.4377,
9.3006

 36.6013, 23.9948,
14.4119

 39.9017, 28.7919,
21.0730

■ 44.0935, 34.9291,
29.3956

■ 49.2350, 42.4966,
39.4810

■ 55.3794, 51.5763,
51.4225

■ 62.5762, 62.2444,
65.3066

Harmonies

Analogous

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



36.0806, 15.8818, 11.9508



30.8267, 15.8818, 1.8927



21.6872, 15.8818, 0.0000

Triad

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



30.8267, 15.8818, 1.8927



4.8505, 15.8818, 5.4146



17.2930, 15.8818, 108.1825

Complementary

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



30.8267, 15.8818, 1.8927



38.1712, 57.9172, 69.5226

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.



9.9958, 15.8818, 98.7898



30.8267, 15.8818, 1.8927



4.3984, 15.8818, 24.0275

Square

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



30.8267, 15.8818, 1.8927



7.4804, 15.8818, 0.5567



5.9034, 15.8818, 60.9269



26.6534, 15.8818, 80.7973

Rectangle

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



30.8267, 15.8818, 1.8927



15.6860, 15.8818, 0.0000



5.9034, 15.8818, 60.9269



14.5194, 15.8818, 109.4771

Sweetspot

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



30.8270, 15.8828, 1.8929



65.8705, 56.7443, 52.6122



38.7249, 18.4101, 72.0329



13.4406, 11.1755, 9.9731



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.



30.8270, 15.8828, 1.8929



41.3413, 21.3005, 2.4636



34.6869, 23.7401, 2.7556



13.7442, 13.7153, 14.4229



17.9580, 9.2502, 1.1786



1.2580, 0.6465, 0.1513

Inverse Universe

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



30.8270, 15.8828, 1.8929



41.3413, 21.3005, 2.4636



21.5297, 21.5312, 73.5416



13.7442, 13.7153, 14.4229



17.9580, 9.2502, 1.1786



1.2580, 0.6465, 0.1513

Previews

White Background



This preview shows how the XYZ color 30.8267, 15.8818, 1.8927 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 30.8267, 15.8818, 1.8927

Background



This preview shows how black text looks on a background with the XYZ color 30.8267, 15.8818, 1.8927.



This preview shows how white text looks on a background with the XYZ color 30.8267, 15.8818,

1.8927.

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

30.8267, 15.8818, 1.8927

Protanopia

14.9609, 16.4436, 3.9755

Deuteranopia

16.4130, 16.2662, 2.2746



Tritanopia

30.3924, 16.0659, 1.4992

Trichromacy



Original Color

30.8267, 15.8818, 1.8927

Protanomaly

17.4273, 12.4000, 2.5735

Deuteranomaly

19.1078, 12.9159, 1.6295

Tritanomaly

30.6027, 15.9868, 1.6164

Monochromacy



Original Color

30.8267, 15.8818, 1.8927

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.9125, 6.3831, 3.6153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8267, 15.8818, 1.8927 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, 15)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 15)  
}
```

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, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 15) }
```

Border

The CSS property to change the border of an element to XYZ 30.8267, 15.8818, 1.8927 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, 15) }
```


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

```
.border{ border-color:rgb(224, 0, 15) }
```

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, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 15);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 15)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.8267, 15.8818, 1.8927 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, 15) }
```

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

```
.background{ background-color: rgb(224, 0,  
15) }
```

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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