

Converting Colors

XYZ(30.1891, 15.5502, 1.9911)

Have a look what the booklet for
XYZ(30.1891, 15.5502, 1.9911)
contains.

XYZ(30.2334, 15.5733, 1.9847)	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(30.2334, 15.5733,
1.9847)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0012
RGB	222, 0, 18
RGB Percent	87%, 0%, 7%
CMY	0.1294, 0.9998, 0.9294
CMYK	0.00, 1.00, 0.92, 0.13
HSL	355°, 100%, 44%
HSV	355°, 100%, 87%
XYZ	30.2334, 15.5733, 1.9847
YIQ	68.4300, 126.5340, 52.6620

Conversions

Conversions Part 2

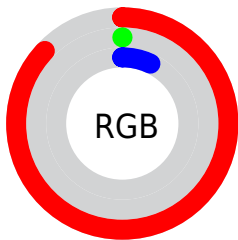
Format	Color
RYB	222, 0, 18
Decimal	14549010
CIELab	46.41, 72.31, 54.97
CIELCh	46, 90.827, 37.242
Yxy	15.5733, 0.6326, 0.3259
Android (android.graphics.Color)	4292739090 (0xFFDE0012)
YUV	68.4300, -24.8620, 134.6809
Hunter-Lab	39.4630, 67.6921, 24.6423

Details

The XYZ color **30.2334, 15.5733, 1.9847** 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 **37.0272, 56.6047, 66.1342**, and the grayscale version is **5.5932, 5.8845, 6.4082**.

A 20% lighter version of the original color is **45.7957, 28.7981, 8.2991**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.2327, 15.5730, 1.9826**, and if you desaturate by 10%, it is **30.7722, 16.2556, 3.3839**.

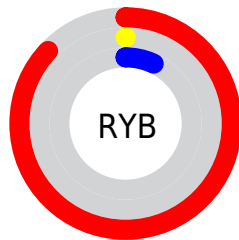
Distribution



Red (87%)

Green (0%)

Blue (7%)



Red (87%)

Yellow (0%)

Blue (7%)

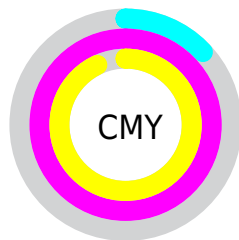


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2334, 15.5733, 1.9847 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 30.2334, 15.5733, 1.9847 by changing the saturation by 10% instead.

 30.2334, 15.5733,
1.9847


 30.2334, 15.5733,
1.9847


294.8812,
226.8105, 122.1387


 20.1648, 9.2227,
0.5458


 59.4152, 35.8558,
8.9989


 12.6238, 4.8867,
0.0000


 79.2591, 50.5566,
15.4690


 7.2452, 2.1810,
0.0000


 103.0920, 68.8095,
24.4724

 3.6636, 0.7096,
0.0000

 131.2795, 90.9990,
36.4277

 1.5137, 0.0000,
0.0000

 164.1868,
117.5094, 51.7535

 0.3351, 0.0000,
0.0000


 202.1793,


 0.0000, 0.0000,


148.7252, 70.8682


0.0000


 245.6223,
185.0308, 94.1904

 30.2334, 15.5733,
1.9847


 30.2334, 15.5733,
1.9847


 30.2327, 15.5730,
1.9826

 30.7722, 16.2556,
3.3839

 31.8261, 17.6786,
5.8467

 33.5297, 20.0703,
9.5449

 35.9660, 23.5625,
14.6126

 39.2058, 28.2666,
21.1666

■ 43.3115, 34.2800,
29.3110

■ 48.3392, 41.6905,
39.1407

■ 54.3404, 50.5783,
50.7431

■ 61.3626, 61.0172,
64.1994

Harmonies

Analogous

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



35.2136, 15.5733, 12.0990



30.2334, 15.5733, 1.9847



21.3923, 15.5733, 0.0000

Triad

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



30.2334, 15.5733, 1.9847



4.8340, 15.5733, 5.1797



16.7737, 15.5733, 105.1784

Complementary

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



30.2334, 15.5733, 1.9847



37.0272, 56.6047, 66.1342

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.



9.7266, 15.5733, 95.3715



30.2334, 15.5733, 1.9847



4.3540, 15.5733, 22.9664

Square

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



30.2334, 15.5733, 1.9847



7.4560, 15.5733, 0.5391



5.7869, 15.5733, 58.4784



25.8560, 15.5733, 79.2552

Rectangle

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



30.2334, 15.5733, 1.9847



15.5351, 15.5733, 0.0000



5.7869, 15.5733, 58.4784



14.0923, 15.5733, 106.1702

Sweetspot

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



30.2337, 15.5743, 1.9849



65.9839, 56.7897, 53.2090



37.9513, 18.0424, 70.5890



13.4664, 11.1858, 10.1087



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.



30.2337, 15.5743, 1.9849



41.3719, 21.3127, 2.6243



33.9976, 23.2762, 2.7024



13.7520, 13.7184, 14.4642



17.9740, 9.2566, 1.2630



1.2617, 0.6480, 0.1711

Inverse Universe

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



30.2337, 15.5743, 1.9849



41.3719, 21.3127, 2.6243



21.1046, 21.1126, 72.0695



13.7520, 13.7184, 14.4642



17.9740, 9.2566, 1.2630



1.2617, 0.6480, 0.1711

Previews

White Background



This preview shows how the XYZ color 30.2334, 15.5733, 1.9847 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 30.2334, 15.5733, 1.9847

Background



This preview shows how black text looks on a background with the XYZ color 30.2334, 15.5733, 1.9847.



This preview shows how white text looks on a background with the XYZ color 30.2334, 15.5733,

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

30.2334, 15.5733, 1.9847

Protanopia

14.6015, 16.0883, 4.1695

Deuteranopia

16.1385, 15.9708, 2.2321



Tritanopia

29.7654, 15.7160, 1.4647

Trichromacy



Original Color

30.2334, 15.5733, 1.9847

Protanomaly

16.9978, 12.0790, 2.7319

Deuteranomaly

18.6231, 12.5757, 1.6468

Tritanomaly

30.0011, 15.6753, 1.6454

Monochromacy



Original Color

30.2334, 15.5733, 1.9847

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.7518, 6.2431, 3.7087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2334, 15.5733, 1.9847 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 18) }
```

Border

The CSS property to change the border of an element to XYZ 30.2334, 15.5733, 1.9847 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, 18) }
```


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

```
.border{ border-color:rgb(222, 0, 18) }
```

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, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.2334, 15.5733, 1.9847 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, 18) }
```

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

```
.background{ background-color: rgb(222, 0,  
18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor