

Converting Colors

$Y_{xy}(15.5733, 0.6326, 0.3259)$

Have a look what the booklet for
Yxy(15.5733, 0.6326, 0.3259)
contains.

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Color

Yxy(15.5733, 0.6326, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	DE0012
RGB	222, 0, 18
RGB Percent	87%, 0%, 7%
CMY	0.1295, 0.9993, 0.9296
CMYK	0.00, 1.00, 0.92, 0.13
HSL	355°, 100%, 44%
HSV	355°, 100%, 87%
XYZ	30.2291, 15.5733, 1.9831
YIQ	68.4300, 126.5340, 52.6620

Conversions

Conversions Part 2

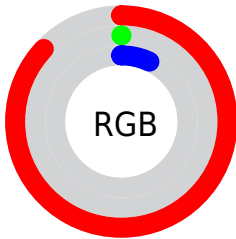
Format	Color
R_{YB}	222, 0, 18
Decimal	14549010
CIE Lab	46.41, 72.29, 54.98
CIE LCh	46, 90.823, 37.256
Yxy	15.5733, 0.6326, 0.3259
Android (android.graphics.Color)	4292739090 (0xFFDE0012)
YUV	68.4300, -24.8620, 134.6809
Hunter-Lab	39.4630, 67.6727, 24.6447

Details

The Yxy color **15.5733, 0.6326, 0.3259** 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 **56.6038, 0.2317, 0.3540**, and the grayscale version is **5.8963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7981, 0.5525, 0.3474**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.5697, 0.6327, 0.3259**, and if you desaturate by 10%, it is **16.2578, 0.6104, 0.3225**.

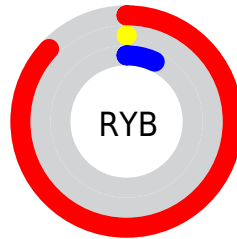
Distribution



Red (87%)

Green (0%)

Blue (7%)



Red (87%)

Yellow (0%)

Blue (7%)

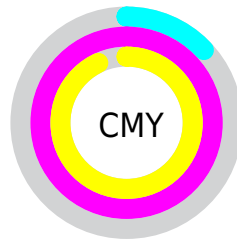


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5733, 0.6326, 0.3259 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 Yxy color 15.5733, 0.6326, 0.3259 by changing the saturation by 10% instead.


 15.5733, 0.6326,
0.3259


 15.5733, 0.6326,
0.3259


226.8105, 0.4580,
0.3523


 9.2227, 0.6736,
0.3082


 35.8558, 0.5698,
0.3439


 4.8867, 0.7209,
0.2791

 50.5566, 0.5455,
0.3480

 2.1810, 0.7686,
0.2314

 68.8095, 0.5250,
0.3504

 0.7096, 0.8377,
0.1623

 90.9990, 0.5074,
0.3518


 0.0000, 1.0000,
0.0000


 117.5094, 0.4924,
0.3524


 0.0000, 0.0000,
0.0000

 148.7252, 0.4794,


0.3526


 185.0308, 0.4680,
0.3526


 15.5733, 0.6326,
0.3259


 15.5733, 0.6326,
0.3259


 15.5697, 0.6327,
0.3259

 16.2578, 0.6104,
0.3225

 17.6856, 0.5749,
0.3195

 20.0828, 0.5309,
0.3180

 23.5813, 0.4850,
0.3179

 28.2920, 0.4422,
0.3190

■ 34.3126, 0.4050,
0.3208

■ 41.7308, 0.3741,
0.3228

■ 50.6264, 0.3490,
0.3250

■ 61.0737, 0.3288,
0.3271

Harmonies

Analogous

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



15.5733, 0.5600, 0.2477



15.5733, 0.6326, 0.3259



15.5733, 0.5787, 0.4213

Triad

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



15.5733, 0.6326, 0.3259



15.5733, 0.1889, 0.6085



15.5733, 0.1220, 0.1132

Complementary

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



15.5733, 0.6326, 0.3259



56.6038, 0.2317, 0.3540

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.



15.5733, 0.0806, 0.1290



15.5733, 0.6326, 0.3259



15.5733, 0.1015, 0.3630

Square

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



15.5733, 0.6326, 0.3259



15.5733, 0.3163, 0.6608



15.5733, 0.0725, 0.1950



15.5733, 0.2143, 0.1291

Rectangle

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



15.5733, 0.6326, 0.3259



15.5733, 0.4993, 0.5007



15.5733, 0.0725, 0.1950



15.5733, 0.1038, 0.1146

Sweetspot

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



15.5743, 0.6326, 0.3259



56.7873, 0.3750, 0.3228



18.0437, 0.2998, 0.1426



11.1852, 0.3875, 0.3219



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.5743, 0.6326, 0.3259



21.3121, 0.6336, 0.3264



23.2861, 0.5667, 0.3881



13.7183, 0.3280, 0.3272



9.2562, 0.6309, 0.3249



0.6479, 0.6067, 0.3116

Inverse Universe

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



15.5743, 0.6326, 0.3259



21.3121, 0.6336, 0.3264



21.1246, 0.1847, 0.1848



13.7183, 0.3280, 0.3272



9.2562, 0.6309, 0.3249



0.6479, 0.6067, 0.3116

Previews

White Background



This preview shows how the Yxy color 15.5733, 0.6326, 0.3259 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



This preview shows how the Yxy color 15.5733, 0.6326, 0.3259 looks on a 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](#).

Yxy 15.5733, 0.6326, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 15.5733, 0.6326, 0.3259.



This preview shows how white text looks on a background with the Yxy color 15.5733, 0.6326, 0.3259.

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

15.5733, 0.6326, 0.3259

Protanopia

16.0883, 0.4189, 0.4615

Deuteranopia

15.9708, 0.4699, 0.4651



Tritanopia

15.7160, 0.6340, 0.3348

Trichromacy



Original Color

15.5733, 0.6326, 0.3259



Protanomaly

12.0790, 0.5344, 0.3797



Deuteranomaly

12.6956, 0.5654, 0.3842



Tritanomaly

15.6753, 0.6340, 0.3312

Monochromacy



Original Color

15.5733, 0.6326, 0.3259



Achromatopsia

5.9511, 0.3127, 0.3290



Achromatomaly

6.3916, 0.4954, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5733, 0.6326, 0.3259 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 Yxy 15.5733, 0.6326, 0.3259 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 Yxy 15.5733, 0.6326, 0.3259 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](#).

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