

Converting Colors

$Y_{xy}(15.3362, 0.6286, 0.3198)$

Have a look what the booklet for
Yxy(15.3362, 0.6286, 0.3198)
contains.

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Color

Yxy(15.6134, 0.6259, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	DE001C
RGB	222, 0, 28
RGB Percent	87%, 0%, 11%
CMY	0.1295, 0.9994, 0.8901
CMYK	0.00, 1.00, 0.87, 0.13
HSL	352°, 100%, 44%
HSV	352°, 100%, 87%
XYZ	30.3303, 15.6134, 2.5150
YIQ	69.5700, 123.3240, 55.7720

Conversions

Conversions Part 2

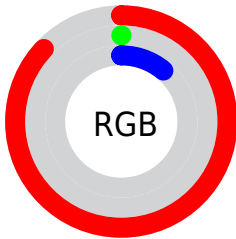
Format	Color
RYB	222, 0, 28
Decimal	14549020
CIELab	46.46, 72.44, 50.74
CIELCh	46, 88.441, 35.007
Yxy	15.6134, 0.6259, 0.3222
Android (android.graphics.Color)	4292739100 (0xFFDE001C)
YUV	69.5700, -20.4940, 133.6811
Hunter-Lab	39.5138, 67.8653, 23.8859

Details

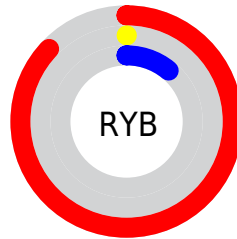
The Yxy color **15.6134, 0.6259, 0.3222** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **56.1353, 0.2359, 0.3692**, and the grayscale version is **6.0850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9128, 0.5434, 0.3409**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.6102, 0.6260, 0.3222**, and if you desaturate by 10%, it is **16.3234, 0.6005, 0.3169**.

Distribution



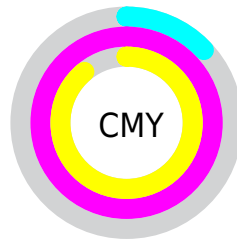
- Red (87%)
- Green (0%)
- Blue (11%)



- Red (87%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6134, 0.6259, 0.3222 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 15.6134, 0.6259, 0.3222 by changing the saturation by 10% instead.


 15.6134, 0.6259,
0.3222


 15.6134, 0.6259,
0.3222


227.0495, 0.4527,
0.3481


 9.2510, 0.6671,
0.3049


 35.9257, 0.5625,
0.3392


 4.9053, 0.7210,
0.2790

 50.6445, 0.5384,
0.3432


 2.1918, 0.7687,
0.2313

 68.9174, 0.5181,
0.3456

 0.7155, 0.8375,
0.1625

 91.1290, 0.5009,
0.3470


 0.0000, 1.0000,
0.0000


 117.6636, 0.4862,
0.3478


 0.0000, 0.0000,
0.0000


 148.9057, 0.4735,

0.3481

 185.2395, 0.4624,
0.3482


 15.6134, 0.6259,
0.3222


 15.6134, 0.6259,
0.3222


 15.6102, 0.6260,
0.3222

 16.3234, 0.6005,
0.3169

 17.7736, 0.5638,
0.3126

 20.1885, 0.5203,
0.3108

 23.6980, 0.4762,
0.3111

 28.4121, 0.4355,
0.3130

■ 34.4272, 0.4003,
0.3159

■ 41.8300, 0.3711,
0.3192

■ 50.6997, 0.3473,
0.3226

■ 61.1095, 0.3281,
0.3259

Harmonies

Analogous

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



15.6134, 0.5429, 0.2443



15.6134, 0.6259, 0.3222



15.6134, 0.5840, 0.4160

Triad

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



15.6134, 0.6259, 0.3222



15.6134, 0.2017, 0.6126



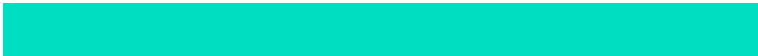
15.6134, 0.1206, 0.1166

Complementary

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



15.6134, 0.6259, 0.3222



56.1353, 0.2359, 0.3692

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.



15.6134, 0.0822, 0.1354



15.6134, 0.6259, 0.3222



15.6134, 0.1101, 0.3803

Square

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



15.6134, 0.6259, 0.3222



15.6134, 0.3294, 0.6484



15.6134, 0.0767, 0.2067



15.6134, 0.2074, 0.1300

Rectangle

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



15.6134, 0.6259, 0.3222



15.6134, 0.5084, 0.4916



15.6134, 0.0767, 0.2067



15.6134, 0.1035, 0.1188

Sweetspot

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



15.6144, 0.6259, 0.3222



56.9356, 0.3719, 0.3191



16.5362, 0.2871, 0.1355



11.2190, 0.3837, 0.3177



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.



15.6144, 0.6259, 0.3222



21.3644, 0.6272, 0.3229



21.4863, 0.5808, 0.3770



13.7284, 0.3272, 0.3261



9.2826, 0.6236, 0.3209



0.6527, 0.5897, 0.3022

Inverse Universe

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



15.6144, 0.6259, 0.3222



21.3644, 0.6272, 0.3229



24.2205, 0.1897, 0.2028



13.7284, 0.3272, 0.3261



9.2826, 0.6236, 0.3209



0.6527, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 15.6134, 0.6259, 0.3222 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 15.6134, 0.6259, 0.3222 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 15.6134, 0.6259, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 15.6134, 0.6259, 0.3222.



This preview shows how white text looks on a background with the Yxy color 15.6134, 0.6259, 0.3222.

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

15.6134, 0.6259, 0.3222

Protanopia

16.1617, 0.4097, 0.4479

Deuteranopia

16.0589, 0.4713, 0.4640



Tritanopia

15.8725, 0.6341, 0.3347

Trichromacy



Original Color

15.6134, 0.6259, 0.3222

Protanomaly

12.1402, 0.5224, 0.3698

Deuteranomaly

12.8141, 0.5648, 0.3826

Tritanomaly

15.6819, 0.6329, 0.3306

Monochromacy



Original Color

15.6134, 0.6259, 0.3222

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.5126, 0.4817, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6134, 0.6259, 0.3222 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 28) }
```

Border

The CSS property to change the border of an element to Yxy 15.6134, 0.6259, 0.3222 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, 28) }
```

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

```
.border{ border-color:rgb(222, 0, 28) }
```

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, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 28)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6134, 0.6259, 0.3222 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, 28) }
```

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

```
.background{ background-color: rgb(222, 0,  
28) }
```

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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