

Converting Colors

$Yxy(15.5674, 0.6214, 0.3197)$

Have a look what the booklet for
Yxy(15.5674, 0.6214, 0.3197)
contains.

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Color

Yxy(15.6394, 0.6217, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	DE0021
RGB	222, 0, 33
RGB Percent	87%, 0%, 13%
CMY	0.1295, 0.9992, 0.8706
CMYK	0.00, 1.00, 0.85, 0.13
HSL	351°, 100%, 44%
HSV	351°, 100%, 87%
XYZ	30.3939, 15.6394, 2.8551
YIQ	70.1400, 121.7190, 57.3270

Conversions

Conversions Part 2

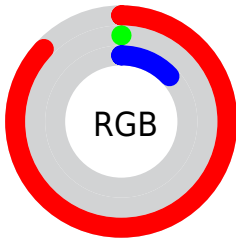
Format	Color
RYB	222, 0, 33
Decimal	14549025
CIELab	46.50, 72.53, 48.34
CIElCh	46, 87.160, 33.682
Yxy	15.6394, 0.6217, 0.3199
Android (android.graphics.Color)	4292739105 (0xFFDE0021)
YUV	70.1400, -18.3100, 133.1812
Hunter-Lab	39.5467, 67.9809, 23.4022

Details

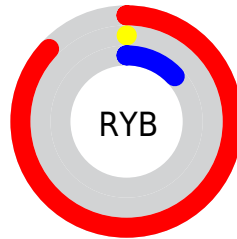
The Yxy color **15.6394, 0.6217, 0.3199** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **55.9148, 0.2380, 0.3767**, and the grayscale version is **6.1848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1368, 0.5383, 0.3387**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.6350, 0.6219, 0.3200**, and if you desaturate by 10%, it is **16.3626, 0.5950, 0.3137**.

Distribution



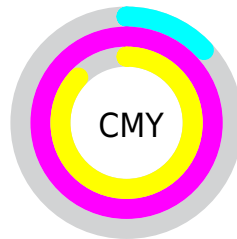
- Red (87%)
- Green (0%)
- Blue (13%)



- Red (87%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (13%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6394, 0.6217, 0.3199 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 15.6394, 0.6217, 0.3199 by changing the saturation by 10% instead.


 15.6394, 0.6217,
0.3199


 15.6394, 0.6217,
0.3199


227.2044, 0.4497,
0.3457

 9.2693, 0.6635,
0.3031


 35.9710, 0.5581,
0.3365


 4.9173, 0.7211,
0.2789

 50.7014, 0.5342,
0.3404

 2.1988, 0.7687,
0.2313

 68.9874, 0.5141,
0.3428

 0.7193, 0.8373,
0.1627

 91.2133, 0.4971,
0.3443

 0.0000, 1.0000,
0.0000

 117.7635, 0.4826,
0.3451

 0.0000, 0.0000,
0.0000


 149.0225, 0.4701,


0.3455


 185.3747, 0.4592,
0.3457


 15.6394, 0.6217,
0.3199


 15.6394, 0.6217,
0.3199

 15.6350, 0.6219,
0.3200

 16.3626, 0.5950,
0.3137

 17.8253, 0.5578,
0.3091

 20.2503, 0.5149,
0.3071

 23.7670, 0.4717,
0.3077

 28.4847, 0.4321,
0.3101

■ 34.4992, 0.3979,
0.3135

■ 41.8969, 0.3695,
0.3175

■ 50.7565, 0.3464,
0.3215

■ 61.1509, 0.3276,
0.3254

Harmonies

Analogous

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



15.6394, 0.5330, 0.2422



15.6394, 0.6217, 0.3199



15.6394, 0.5847, 0.4115

Triad

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



15.6394, 0.6217, 0.3199



15.6394, 0.2090, 0.6145



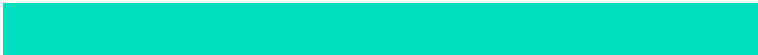
15.6394, 0.1198, 0.1185

Complementary

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



15.6394, 0.6217, 0.3199



55.9148, 0.2380, 0.3767

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.



15.6394, 0.0831, 0.1391



15.6394, 0.6217, 0.3199



15.6394, 0.1151, 0.3902

Square

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



15.6394, 0.6217, 0.3199



15.6394, 0.3368, 0.6413



15.6394, 0.0792, 0.2136



15.6394, 0.2036, 0.1306

Rectangle

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



15.6394, 0.6217, 0.3199



15.6394, 0.5135, 0.4865



15.6394, 0.0792, 0.2136



15.6394, 0.1034, 0.1213

Sweetspot

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



15.6404, 0.6217, 0.3199



57.0095, 0.3704, 0.3173



16.0593, 0.2829, 0.1332



11.2359, 0.3818, 0.3156



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.



15.6404, 0.6217, 0.3199



21.3980, 0.6232, 0.3207



20.9506, 0.5852, 0.3734



13.7334, 0.3269, 0.3256



9.2989, 0.6192, 0.3185



0.6551, 0.5818, 0.2979

Inverse Universe

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



15.6404, 0.6217, 0.3199



21.3980, 0.6232, 0.3207



25.3291, 0.1914, 0.2088



13.7334, 0.3269, 0.3256



9.2989, 0.6192, 0.3185



0.6551, 0.5818, 0.2979

Previews

White Background



This preview shows how the Yxy color 15.6394, 0.6217, 0.3199 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 15.6394, 0.6217, 0.3199 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 15.6394, 0.6217, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 15.6394, 0.6217, 0.3199.



This preview shows how white text looks on a background with the Yxy color 15.6394, 0.6217, 0.3199.

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

15.6394, 0.6217, 0.3199

Protanopia

16.1398, 0.4021, 0.4393

Deuteranopia

16.0589, 0.4713, 0.4640



Tritanopia

15.8725, 0.6341, 0.3347

Trichromacy



Original Color

15.6394, 0.6217, 0.3199

Protanomaly

12.1773, 0.5155, 0.3641

Deuteranomaly

12.8187, 0.5638, 0.3818

Tritanomaly

15.6865, 0.6321, 0.3302

Monochromacy



Original Color

15.6394, 0.6217, 0.3199

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.5322, 0.4766, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6394, 0.6217, 0.3199 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 33) }
```

Border

The CSS property to change the border of an element to Yxy 15.6394, 0.6217, 0.3199 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, 33) }
```

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

```
.border{ border-color:rgb(222, 0, 33) }
```

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, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6394, 0.6217, 0.3199 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, 33) }
```

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

```
.background{ background-color: rgb(222, 0,  
33) }
```

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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