

Converting Colors

$Y_{xy}(15.5108, 0.6172, 0.3173)$

Have a look what the booklet for
Yxy(15.5108, 0.6172, 0.3173)
contains.

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Color

Yxy(15.5121, 0.6167, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	DD0026
RGB	221, 0, 38
RGB Percent	87%, 0%, 15%
CMY	0.1333, 0.9997, 0.8510
CMYK	0.00, 1.00, 0.83, 0.13
HSL	350°, 100%, 43%
HSV	350°, 100%, 87%
XYZ	30.1681, 15.5121, 3.2384
YIQ	70.4110, 119.5180, 58.6700

Conversions

Conversions Part 2

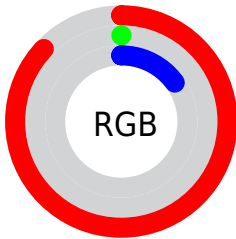
Format	Color
RYB	221, 0, 38
Decimal	14483494
CIELab	46.33, 72.41, 45.50
CIElCh	46, 85.519, 32.140
Yxy	15.5121, 0.6167, 0.3171
Android (android.graphics.Color)	4292673574 (0xFFDD0026)
YUV	70.4110, -15.9786, 132.0666
Hunter-Lab	39.3854, 67.8016, 22.6947

Details

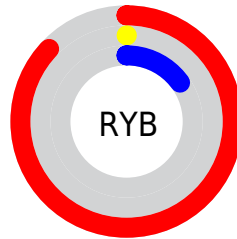
The Yxy color **15.5121, 0.6167, 0.3171** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **55.1328, 0.2403, 0.3850**, and the grayscale version is **6.2161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0449, 0.5334, 0.3338**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.5112, 0.6168, 0.3171**, and if you desaturate by 10%, it is **16.2405, 0.5888, 0.3102**.

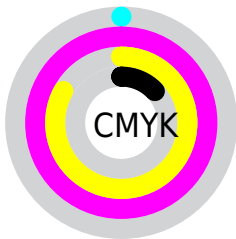
Distribution



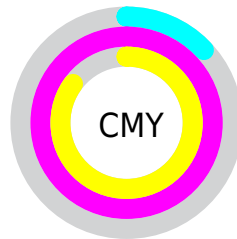
- Red (87%)
- Green (0%)
- Blue (15%)



- Red (87%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (13%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5121, 0.6167, 0.3171 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 15.5121, 0.6167, 0.3171 by changing the saturation by 10% instead.


 15.5121, 0.6167,
0.3171


 15.5121, 0.6167,
0.3171


226.4452, 0.4461,
0.3429


 9.1796, 0.6592,
0.3008


 35.7491, 0.5529,
0.3333


 4.8585, 0.7215,
0.2785

 50.4223, 0.5291,
0.3371

 2.1645, 0.7694,
0.2306

 68.6446, 0.5093,
0.3396

 0.7005, 0.8389,
0.1611

 90.8003, 0.4925,
0.3411


 0.0000, 1.0000,
0.0000


 117.2738, 0.4783,
0.3420


 0.0000, 0.0000,
0.0000


 148.4496, 0.4660,

0.3426


 184.7119, 0.4554,
0.3428


 15.5121, 0.6167,
0.3171


 15.5121, 0.6167,
0.3171


 15.5112, 0.6168,
0.3171

 16.2405, 0.5888,
0.3102

 17.6958, 0.5515,
0.3051

 20.1001, 0.5092,
0.3032

 23.5808, 0.4671,
0.3041

 28.2454, 0.4287,
0.3069

■ 34.1885, 0.3956,
0.3110

■ 41.4950, 0.3680,
0.3156

■ 50.2425, 0.3455,
0.3202

■ 60.5026, 0.3273,
0.3248

Harmonies

Analogous

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



15.5121, 0.5218, 0.2397



15.5121, 0.6167, 0.3171



15.5121, 0.5857, 0.4065

Triad

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



15.5121, 0.6167, 0.3171



15.5121, 0.2174, 0.6163



15.5121, 0.1189, 0.1207

Complementary

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



15.5121, 0.6167, 0.3171



55.1328, 0.2403, 0.3850

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.



15.5121, 0.0841, 0.1435



15.5121, 0.6167, 0.3171



15.5121, 0.1210, 0.4016

Square

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



15.5121, 0.6167, 0.3171



15.5121, 0.3451, 0.6336



15.5121, 0.0821, 0.2217



15.5121, 0.1993, 0.1311

Rectangle

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



15.5121, 0.6167, 0.3171



15.5121, 0.5192, 0.4808



15.5121, 0.0821, 0.2217



15.5121, 0.1032, 0.1241

Sweetspot

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



15.5131, 0.6167, 0.3171



57.0898, 0.3687, 0.3154



14.9844, 0.2744, 0.1285



11.2543, 0.3798, 0.3135



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.



15.5131, 0.6167, 0.3171



21.4403, 0.6182, 0.3179



19.7558, 0.5939, 0.3666



13.0878, 0.3265, 0.3250



9.0225, 0.6136, 0.3154



0.5958, 0.5710, 0.2919

Inverse Universe

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



15.5131, 0.6167, 0.3171



21.4403, 0.6182, 0.3179



27.3656, 0.1947, 0.2209



13.0878, 0.3265, 0.3250



9.0225, 0.6136, 0.3154



0.5958, 0.5710, 0.2919

Previews

White Background



This preview shows how the Yxy color 15.5121, 0.6167, 0.3171 looks on a white background.

Color Contrast Check

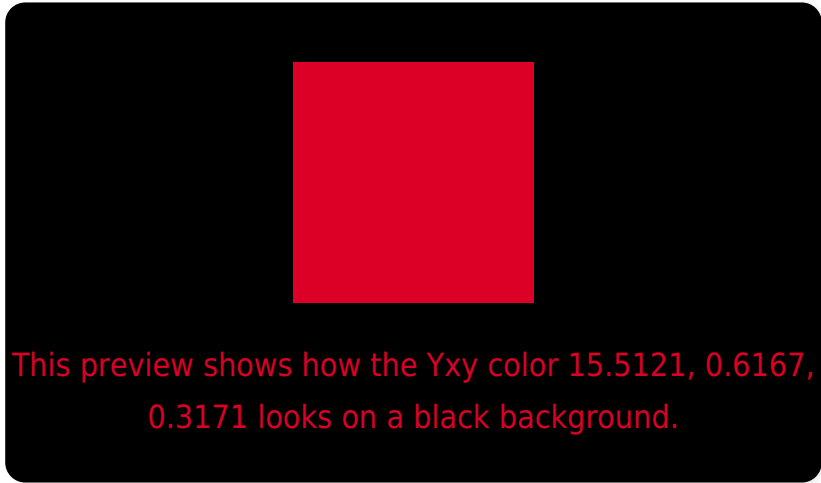
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

Yxy 15.5121, 0.6167, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 15.5121, 0.6167, 0.3171.



This preview shows how white text looks on a background with the Yxy color 15.5121, 0.6167, 0.3171.

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

15.5121, 0.6167, 0.3171

Protanopia

16.1255, 0.3940, 0.4299

Deuteranopia

16.0082, 0.4642, 0.4578



Tritanopia

15.7160, 0.6340, 0.3348

Trichromacy



Original Color

15.5121, 0.6167, 0.3171

Protanomaly

12.1253, 0.5053, 0.3568

Deuteranomaly

12.6263, 0.5566, 0.3748

Tritanomaly

15.5352, 0.6311, 0.3297

Monochromacy



Original Color

15.5121, 0.6167, 0.3171

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.5422, 0.4740, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5121, 0.6167, 0.3171 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(221, 0, 38)` looks like.

```
.text, #text, p{  
  color:rgb(221, 0, 38)  
}
```

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(221, 0, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 38) }
```

Border

The CSS property to change the border of an element to Yxy 15.5121, 0.6167, 0.3171 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(221, 0, 38) }
```

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

```
.border{ border-color:rgb(221, 0, 38) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(221, 0, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(221, 0, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.5121, 0.6167, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 38) }
```

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

```
.background{ background-color: rgb(221, 0,  
38) }
```

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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