

Converting Colors

$Y_{xy}(15.3407, 0.6205, 0.3192)$

Have a look what the booklet for
Yxy(15.3407, 0.6205, 0.3192)
contains.

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Color

Yxy(15.3311, 0.6204, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	DC0022
RGB	220, 0, 34
RGB Percent	86%, 0%, 13%
CMY	0.1374, 0.9990, 0.8667
CMYK	0.00, 1.00, 0.85, 0.14
HSL	351°, 100%, 43%
HSV	351°, 100%, 86%
XYZ	29.7977, 15.3311, 2.9010
YIQ	69.6560, 120.2060, 57.2140

Conversions

Conversions Part 2

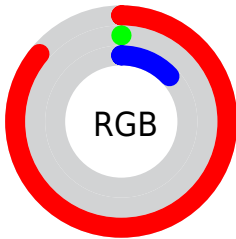
Format	Color
RYB	220, 0, 34
Decimal	14417954
CIELab	46.08, 72.06, 47.31
CIElCh	46, 86.201, 33.285
Yxy	15.3311, 0.6204, 0.3192
Android (android.graphics.Color)	4292608034 (0xFFDC0022)
YUV	69.6560, -17.5784, 131.8517
Hunter-Lab	39.1549, 67.3208, 23.0157

Details

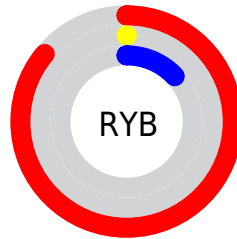
The Yxy color **15.3311, 0.6204, 0.3192** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **54.7285, 0.2385, 0.3786**, and the grayscale version is **6.1030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9839, 0.5380, 0.3371**, and **6.9686, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.3255, 0.6206, 0.3193**, and if you desaturate by 10%, it is **16.0479, 0.5933, 0.3129**.

Distribution



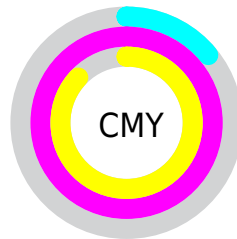
- Red (86%)
- Green (0%)
- Blue (13%)



- Red (86%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3311, 0.6204, 0.3192 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 15.3311, 0.6204, 0.3192 by changing the saturation by 10% instead.


 15.3311, 0.6204,
0.3192

 15.3311, 0.6204,
0.3192


225.3616, 0.4483,
0.3449


 9.0521, 0.6627,
0.3025


 35.4330, 0.5564,
0.3357


 4.7752, 0.7217,
0.2783

 50.0247, 0.5324,
0.3396

 2.1160, 0.7698,
0.2302

 68.1560, 0.5124,
0.3420

 0.6736, 0.8408,
0.1592

 90.2114, 0.4954,
0.3435


 0.0000, 1.0000,
0.0000


 116.5753, 0.4810,
0.3443


 0.0000, 0.0000,
0.0000


 147.6320, 0.4685,


0.3448


 183.7660, 0.4577,
0.3449


 15.3311, 0.6204,
0.3192


 15.3311, 0.6204,
0.3192


 15.3255, 0.6206,
0.3193

 16.0479, 0.5933,
0.3129

 17.4886, 0.5560,
0.3081

 19.8713, 0.5132,
0.3062

 23.3222, 0.4703,
0.3069

 27.9481, 0.4311,
0.3094

■ 33.8426, 0.3972,
0.3130

■ 41.0899, 0.3690,
0.3170

■ 49.7669, 0.3461,
0.3212

■ 59.9448, 0.3275,
0.3253

Harmonies

Analogous

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



15.3311, 0.5301, 0.2416



15.3311, 0.6204, 0.3192



15.3311, 0.5851, 0.4103

Triad

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



15.3311, 0.6204, 0.3192



15.3311, 0.2112, 0.6149



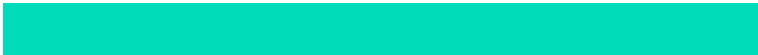
15.3311, 0.1196, 0.1191

Complementary

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



15.3311, 0.6204, 0.3192



54.7285, 0.2385, 0.3786

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.



15.3311, 0.0834, 0.1403



15.3311, 0.6204, 0.3192



15.3311, 0.1167, 0.3932

Square

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



15.3311, 0.6204, 0.3192



15.3311, 0.3390, 0.6394



15.3311, 0.0800, 0.2157



15.3311, 0.2025, 0.1307

Rectangle

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



15.3311, 0.6204, 0.3192



15.3311, 0.5150, 0.4850



15.3311, 0.0800, 0.2157



15.3311, 0.1034, 0.1220

Sweetspot

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



15.3321, 0.6204, 0.3192



57.0286, 0.3700, 0.3169



15.2816, 0.2787, 0.1309



11.2403, 0.3814, 0.3151



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.



15.3321, 0.6204, 0.3192



21.4075, 0.6221, 0.3200



20.0414, 0.5894, 0.3701



13.0840, 0.3268, 0.3254



9.0073, 0.6178, 0.3177



0.5940, 0.5773, 0.2954

Inverse Universe

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



15.3321, 0.6204, 0.3192



21.4075, 0.6221, 0.3200



25.9512, 0.1931, 0.2149



13.0840, 0.3268, 0.3254



9.0073, 0.6178, 0.3177



0.5940, 0.5773, 0.2954

Previews

White Background



This preview shows how the Yxy color 15.3311, 0.6204, 0.3192 looks on a white background.

Color Contrast Check

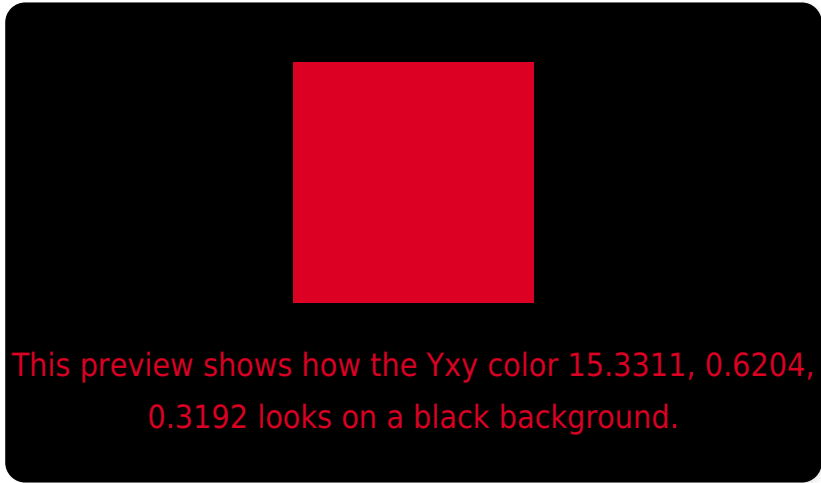
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3311, 0.6204, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 15.3311, 0.6204, 0.3192.



This preview shows how white text looks on a background with the Yxy color 15.3311, 0.6204, 0.3192.

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

15.3311, 0.6204, 0.3192

Protanopia

15.8557, 0.4005, 0.4367

Deuteranopia

15.7659, 0.4717, 0.4637

Trichromacy



Original Color

15.3311, 0.6204, 0.3192

Protanomaly

11.9808, 0.5117, 0.3635

Deuteranomaly

12.5869, 0.5646, 0.3810

Monochromacy



Original Color

15.3311, 0.6204, 0.3192

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 15.3311, 0.6204, 0.3192 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(220, 0, 34)` looks like.

```
.text, #text, p{  
  color:rgb(220, 0, 34)  
}
```

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(220, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 34) }
```

Border

The CSS property to change the border of an element to Yxy 15.3311, 0.6204, 0.3192 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(220, 0, 34) }
```

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

```
.border{ border-color:rgb(220, 0, 34) }
```

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

Here you see how a box with a 4 pixel rgb(220, 0, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(220, 0, 34)  
}
```

Background

The CSS property to change the background color of an element to Yxy 15.3311, 0.6204, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 34) }
```

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

```
.background{ background-color: rgb(220, 0,  
34) }
```

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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