

Converting Colors

$Yxy(15.6204, 0.6211, 0.3196)$

Have a look what the booklet for
Yxy(15.6204, 0.6211, 0.3196)
contains.

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Color

Yxy(15.6451, 0.6208, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	DE0022
RGB	222, 0, 34
RGB Percent	87%, 0%, 13%
CMY	0.1295, 0.9992, 0.8667
CMYK	0.00, 1.00, 0.85, 0.13
HSL	351°, 100%, 44%
HSV	351°, 100%, 87%
XYZ	30.4085, 15.6451, 2.9292
YIQ	70.2540, 121.3980, 57.6380

Conversions

Conversions Part 2

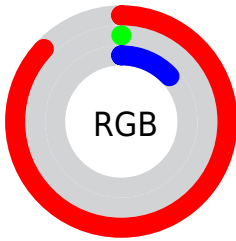
Format	Color
R_{YB}	222, 0, 34
Decimal	14549026
CIE _{Lab}	46.51, 72.55, 47.84
CIE _{LCh}	47, 86.904, 33.401
Yxy	15.6451, 0.6208, 0.3194
Android (android.graphics.Color)	4292739106 (0xFFDE0022)
YUV	70.2540, -17.8732, 133.0812
Hunter-Lab	39.5539, 68.0092, 23.2970

Details

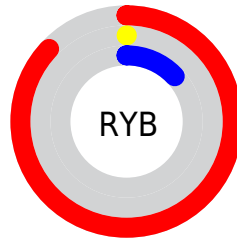
The Yxy color **15.6451, 0.6208, 0.3194** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **55.8725, 0.2384, 0.3783**, and the grayscale version is **6.2029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1515, 0.5372, 0.3379**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.6410, 0.6210, 0.3195**, and if you desaturate by 10%, it is **16.3706, 0.5938, 0.3131**.

Distribution



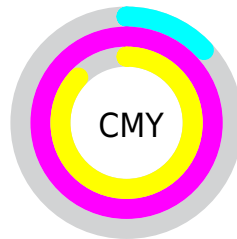
- Red (87%)
- Green (0%)
- Blue (13%)



- 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 15.6451, 0.6208, 0.3194 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 15.6451, 0.6208, 0.3194 by changing the saturation by 10% instead.


 15.6451, 0.6208,
0.3194


 15.6451, 0.6208,
0.3194

227.2383, 0.4491,
0.3452


 9.2734, 0.6627,
0.3028


 35.9810, 0.5572,
0.3359


 4.9199, 0.7211,
0.2789

 50.7139, 0.5333,
0.3398

 2.2004, 0.7687,
0.2313

 69.0027, 0.5132,
0.3422

 0.7202, 0.8373,
0.1627

 91.2317, 0.4963,
0.3437

 0.0000, 1.0000,
0.0000


 117.7854, 0.4819,
0.3445


 0.0000, 0.0000,
0.0000


 149.0482, 0.4694,

0.3450


 185.4043, 0.4586,
0.3452


 15.6451, 0.6208,
0.3194

 15.6451, 0.6208,
0.3194

 15.6410, 0.6210,
0.3195

 16.3706, 0.5938,
0.3131

 17.8349, 0.5566,
0.3083

 20.2610, 0.5138,
0.3064

 23.7782, 0.4708,
0.3070

 28.4955, 0.4314,
0.3095

■ 34.5088, 0.3975,
0.3131

■ 41.9043, 0.3692,
0.3171

■ 50.7607, 0.3462,
0.3213

■ 61.1508, 0.3276,
0.3253

Harmonies

Analogous

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



15.6451, 0.5310, 0.2418



15.6451, 0.6208, 0.3194



15.6451, 0.5849, 0.4106

Triad

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



15.6451, 0.6208, 0.3194



15.6451, 0.2106, 0.6148



15.6451, 0.1196, 0.1189

Complementary

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



15.6451, 0.6208, 0.3194



55.8725, 0.2384, 0.3783

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.



15.6451, 0.0833, 0.1399



15.6451, 0.6208, 0.3194



15.6451, 0.1162, 0.3923

Square

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



15.6451, 0.6208, 0.3194



15.6451, 0.3383, 0.6399



15.6451, 0.0798, 0.2151



15.6451, 0.2028, 0.1307

Rectangle

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



15.6451, 0.6208, 0.3194



15.6451, 0.5146, 0.4854



15.6451, 0.0798, 0.2151



15.6451, 0.1034, 0.1218

Sweetspot

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



15.6461, 0.6208, 0.3194



57.0246, 0.3700, 0.3170



15.5933, 0.2786, 0.1309



11.2394, 0.3815, 0.3152



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.



15.6461, 0.6208, 0.3194



21.4055, 0.6223, 0.3202



20.4408, 0.5896, 0.3700



13.7344, 0.3268, 0.3255



9.3025, 0.6182, 0.3179



0.6556, 0.5802, 0.2970

Inverse Universe

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



15.6461, 0.6208, 0.3194



21.4055, 0.6223, 0.3202



26.4700, 0.1930, 0.2149



13.7344, 0.3268, 0.3255



9.3025, 0.6182, 0.3179



0.6556, 0.5802, 0.2970

Previews

White Background



This preview shows how the Yxy color 15.6451, 0.6208, 0.3194 looks on a white background.

Color Contrast Check

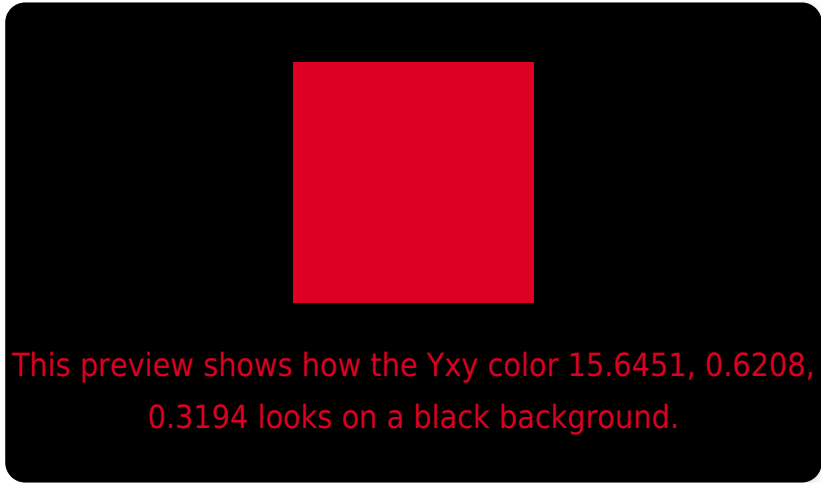
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6451, 0.6208, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 15.6451, 0.6208, 0.3194.



This preview shows how white text looks on a background with the Yxy color 15.6451, 0.6208, 0.3194.

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

15.6451, 0.6208, 0.3194

Protanopia

16.1493, 0.4010, 0.4377

Deuteranopia

16.0589, 0.4713, 0.4640



Tritanopia

15.8725, 0.6341, 0.3347

Trichromacy



Original Color

15.6451, 0.6208, 0.3194

Protanomaly

12.1853, 0.5141, 0.3629

Deuteranomaly

12.8187, 0.5638, 0.3818

Tritanomaly

15.6865, 0.6321, 0.3302

Monochromacy



Original Color

15.6451, 0.6208, 0.3194

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 15.6451, 0.6208, 0.3194 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, 34)` looks like.

```
.text, #text, p{  
  color:rgb(222, 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(222, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 34) }
```

Border

The CSS property to change the border of an element to Yxy 15.6451, 0.6208, 0.3194 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, 34) }
```

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

```
.border{ border-color:rgb(222, 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(222, 0, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6451, 0.6208, 0.3194 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, 34) }
```

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

```
.background{ background-color: rgb(222, 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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