

Converting Colors

$Y_{xy}(15.1642, 0.6300, 0.3244)$

Have a look what the booklet for
Yxy(15.1642, 0.6300, 0.3244)
contains.

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Color

Yxy(15.1180, 0.6299, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	DB0016
RGB	219, 0, 22
RGB Percent	86%, 0%, 9%
CMY	0.1412, 0.9994, 0.9137
CMYK	0.00, 1.00, 0.90, 0.14
HSL	354°, 100%, 43%
HSV	354°, 100%, 86%
XYZ	29.3552, 15.1180, 2.1298
YIQ	67.9890, 123.4620, 53.2700

Conversions

Conversions Part 2

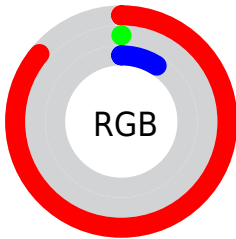
Format	Color
RYB	219, 0, 22
Decimal	14352406
CIELab	45.80, 71.62, 52.66
CIElCh	46, 88.891, 36.325
Yxy	15.1180, 0.6299, 0.3244
Android (android.graphics.Color)	4292542486 (0xFFDB0016)
YUV	67.9890, -22.6726, 132.4366
Hunter-Lab	38.8819, 66.7214, 23.9697

Details

The Yxy color **15.1180, 0.6299, 0.3244** 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 **54.6940, 0.2335, 0.3605**, and the grayscale version is **5.8148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8344, 0.5496, 0.3453**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.1153, 0.6300, 0.3244**, and if you desaturate by 10%, it is **15.7985, 0.6061, 0.3202**.

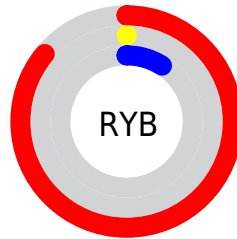
Distribution



Red (86%)

Green (0%)

Blue (9%)



Red (86%)

Yellow (0%)

Blue (9%)

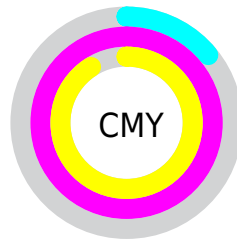


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1180, 0.6299, 0.3244 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 15.1180, 0.6299, 0.3244 by changing the saturation by 10% instead.


 15.1180, 0.6299,
0.3244


 15.1180, 0.6299,
0.3244


224.0793, 0.4550,
0.3505


 8.9022, 0.6715,
0.3066


 35.0601, 0.5663,
0.3421


 4.6775, 0.7218,
0.2782

 49.5551, 0.5419,
0.3461

 2.0593, 0.7704,
0.2296

 67.5788, 0.5214,
0.3485

 0.6416, 0.8432,
0.1568

 89.5154, 0.5039,
0.3498


 0.0000, 1.0000,
0.0000


 115.7494, 0.4890,
0.3505


 0.0000, 0.0000,
0.0000


 146.6651, 0.4760,


0.3508


 182.6469, 0.4648,
0.3507


 15.1180, 0.6299,
0.3244


 15.1180, 0.6299,
0.3244


 15.1153, 0.6300,
0.3244

 15.7985, 0.6061,
0.3202

 17.1966, 0.5700,
0.3166

 19.5321, 0.5262,
0.3149

 22.9315, 0.4810,
0.3150

 27.5019, 0.4392,
0.3164

■ 33.3370, 0.4029,
0.3187

■ 40.5212, 0.3728,
0.3213

■ 49.1316, 0.3482,
0.3240

■ 59.2394, 0.3285,
0.3266

Harmonies

Analogous

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



15.1180, 0.5529, 0.2463



15.1180, 0.6299, 0.3244



15.1180, 0.5809, 0.4191

Triad

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



15.1180, 0.6299, 0.3244



15.1180, 0.1942, 0.6104



15.1180, 0.1214, 0.1146

Complementary

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



15.1180, 0.6299, 0.3244



54.6940, 0.2335, 0.3605

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.



15.1180, 0.0813, 0.1317



15.1180, 0.6299, 0.3244



15.1180, 0.1050, 0.3702

Square

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



15.1180, 0.6299, 0.3244



15.1180, 0.3219, 0.6558



15.1180, 0.0742, 0.1998



15.1180, 0.2114, 0.1295

Rectangle

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



15.1180, 0.6299, 0.3244



15.1180, 0.5032, 0.4968



15.1180, 0.0742, 0.1998



15.1180, 0.1037, 0.1164

Sweetspot

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



15.1190, 0.6299, 0.3244



56.8512, 0.3736, 0.3212



17.0010, 0.2956, 0.1402



11.1998, 0.3858, 0.3200



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.



15.1190, 0.6299, 0.3244



21.3322, 0.6311, 0.3250



21.9856, 0.5714, 0.3845



13.0725, 0.3276, 0.3267



8.9714, 0.6279, 0.3233



0.5886, 0.5974, 0.3064

Inverse Universe

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



15.1190, 0.6299, 0.3244



21.3322, 0.6311, 0.3250



21.4685, 0.1864, 0.1909



13.0725, 0.3276, 0.3267



8.9714, 0.6279, 0.3233



0.5886, 0.5974, 0.3064

Previews

White Background



This preview shows how the Yxy color 15.1180, 0.6299, 0.3244 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 15.1180, 0.6299, 0.3244 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 15.1180, 0.6299, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 15.1180, 0.6299, 0.3244.



This preview shows how white text looks on a background with the Yxy color 15.1180, 0.6299, 0.3244.

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

15.1180, 0.6299, 0.3244

Protanopia

15.7399, 0.4146, 0.4579

Deuteranopia

15.5921, 0.4690, 0.4658



Tritanopia

15.4057, 0.6339, 0.3349

Trichromacy



Original Color

15.1180, 0.6299, 0.3244

Protanomaly

11.8911, 0.5289, 0.3779

Deuteranomaly

12.3567, 0.5650, 0.3836

Tritanomaly

15.2108, 0.6334, 0.3311

Monochromacy



Original Color

15.1180, 0.6299, 0.3244

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

6.1777, 0.4907, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1180, 0.6299, 0.3244 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(219, 0, 22)` looks like.

```
.text, #text, p{  
  color:rgb(219, 0, 22)  
}
```

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(219, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 22) }
```

Border

The CSS property to change the border of an element to Yxy 15.1180, 0.6299, 0.3244 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(219, 0, 22) }
```

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

```
.border{ border-color:rgb(219, 0, 22) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.1180, 0.6299, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 22) }
```

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

```
.background{ background-color: rgb(219, 0,  
22) }
```

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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