

Converting Colors

$Y_{xy}(15.1621, 0.6305, 0.3247)$

Have a look what the booklet for
Yxy(15.1621, 0.6305, 0.3247)
contains.

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Color

Yxy(15.1142, 0.6306, 0.3247)

Conversions

Conversions Part 1

Format	Color
Hex	DB0015
RGB	219, 0, 21
RGB Percent	86%, 0%, 8%
CMY	0.1411, 1.0000, 0.9176
CMYK	0.00, 1.00, 0.90, 0.14
HSL	354°, 100%, 43%
HSV	354°, 100%, 86%
XYZ	29.3533, 15.1142, 2.0807
YIQ	67.8750, 123.7830, 52.9590

Conversions

Conversions Part 2

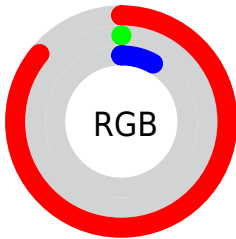
Format	Color
RYB	219, 0, 21
Decimal	14352405
CIELab	45.79, 71.63, 53.06
CIElCh	46, 89.145, 36.531
Yxy	15.1142, 0.6306, 0.3247
Android (android.graphics.Color)	4292542485 (0xFFDB0015)
YUV	67.8750, -23.1094, 132.5366
Hunter-Lab	38.8770, 66.7381, 24.0407

Details

The Yxy color **15.1142, 0.6306, 0.3247** 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 **54.7500, 0.2331, 0.3593**, and the grayscale version is **5.7836, 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 **15.1172, 0.6306, 0.3247**, and if you desaturate by 10%, it is **15.7919, 0.6072, 0.3207**.

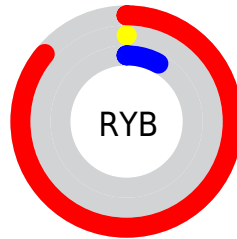
Distribution



Red (86%)

Green (0%)

Blue (8%)



Red (86%)

Yellow (0%)

Blue (8%)

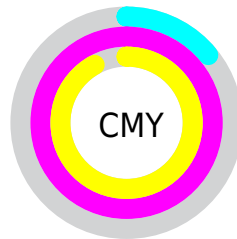


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1142, 0.6306, 0.3247 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 15.1142, 0.6306, 0.3247 by changing the saturation by 10% instead.


 15.1142, 0.6306,
0.3247


 15.1142, 0.6306,
0.3247


224.0564, 0.4555,
0.3509


 8.8996, 0.6723,
0.3069


 35.0534, 0.5670,
0.3425


 4.6757, 0.7218,
0.2782


 49.5468, 0.5426,
0.3466

 2.0583, 0.7704,
0.2296

 67.5685, 0.5221,
0.3489

 0.6410, 0.8433,
0.1567

 89.5030, 0.5046,
0.3503


 0.0000, 1.0000,
0.0000


 115.7346, 0.4896,
0.3509


 0.0000, 0.0000,
0.0000


 146.6478, 0.4766,


0.3512


 182.6269, 0.4654,
0.3511


 15.1142, 0.6306,
0.3247


 15.1142, 0.6306,
0.3247


 15.1172, 0.6306,
0.3247

 15.7919, 0.6072,
0.3207

 17.1826, 0.5712,
0.3172

 19.5105, 0.5274,
0.3155

 22.9025, 0.4821,
0.3156

 27.4658, 0.4400,
0.3169

■ 33.2944, 0.4035,
0.3191

■ 40.4729, 0.3732,
0.3216

■ 49.0784, 0.3485,
0.3241

■ 59.1823, 0.3287,
0.3266

Harmonies

Analogous

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



15.1142, 0.5545, 0.2466



15.1142, 0.6306, 0.3247



15.1142, 0.5804, 0.4196

Triad

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



15.1142, 0.6306, 0.3247



15.1142, 0.1930, 0.6101



15.1142, 0.1215, 0.1143

Complementary

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



15.1142, 0.6306, 0.3247



54.7500, 0.2331, 0.3593

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.



15.1142, 0.0811, 0.1310



15.1142, 0.6306, 0.3247



15.1142, 0.1042, 0.3686

Square

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



15.1142, 0.6306, 0.3247



15.1142, 0.3207, 0.6571



15.1142, 0.0738, 0.1987



15.1142, 0.2120, 0.1293

Rectangle

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



15.1142, 0.6306, 0.3247



15.1142, 0.5023, 0.4977



15.1142, 0.0738, 0.1987



15.1142, 0.1036, 0.1160

Sweetspot

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



15.1172, 0.6306, 0.3247



56.8386, 0.3739, 0.3215



17.0016, 0.2956, 0.1402



11.1969, 0.3861, 0.3204



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.



15.1172, 0.6306, 0.3247



21.3279, 0.6316, 0.3253



21.9782, 0.5715, 0.3844



13.0717, 0.3277, 0.3268



8.9693, 0.6285, 0.3236



0.5882, 0.5989, 0.3073

Inverse Universe

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



15.1172, 0.6306, 0.3247



21.3279, 0.6316, 0.3253



21.4588, 0.1863, 0.1908



13.0717, 0.3277, 0.3268



8.9693, 0.6285, 0.3236



0.5882, 0.5989, 0.3073

Previews

White Background



This preview shows how the Yxy color 15.1142, 0.6306, 0.3247 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 15.1142, 0.6306, 0.3247 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 15.1142, 0.6306, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 15.1142, 0.6306, 0.3247.



This preview shows how white text looks on a background with the Yxy color 15.1142, 0.6306, 0.3247.

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

15.1142, 0.6306, 0.3247

Protanopia

15.8072, 0.4170, 0.4583

Deuteranopia

15.5921, 0.4690, 0.4658



Tritanopia

15.4057, 0.6339, 0.3349

Trichromacy



Original Color

15.1142, 0.6306, 0.3247

Protanomaly

11.9872, 0.5311, 0.3784

Deuteranomaly

12.3567, 0.5650, 0.3836

Tritanomaly

15.2108, 0.6334, 0.3311

Monochromacy



Original Color

15.1142, 0.6306, 0.3247

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 15.1142, 0.6306, 0.3247 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 21) }
```

Border

The CSS property to change the border of an element to Yxy 15.1142, 0.6306, 0.3247 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, 21) }
```

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

```
.border{ border-color:rgb(219, 0, 21) }
```

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, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 21)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.1142, 0.6306, 0.3247 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, 21) }
```

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

```
.background{ background-color: rgb(219, 0,  
21) }
```

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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