

Converting Colors

$Y_{xy}(15.1219, 0.6292, 0.3240)$

Have a look what the booklet for
Yxy(15.1219, 0.6292, 0.3240)
contains.

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Color

Yxy(15.1219, 0.6292, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	DB0017
RGB	219, 0, 23
RGB Percent	86%, 0%, 9%
CMY	0.1412, 0.9996, 0.9096
CMYK	0.00, 1.00, 0.89, 0.14
HSL	354°, 100%, 43%
HSV	354°, 100%, 86%
XYZ	29.3664, 15.1219, 2.1843
YIQ	68.1030, 123.1410, 53.5810

Conversions

Conversions Part 2

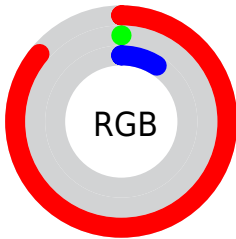
Format	Color
RYB	219, 0, 23
Decimal	14352407
CIELab	45.80, 71.64, 52.21
CIELCh	46, 88.643, 36.085
Yxy	15.1219, 0.6292, 0.3240
Android (android.graphics.Color)	4292542487 (0xFFDB0017)
YUV	68.1030, -22.2358, 132.3367
Hunter-Lab	38.8869, 66.7465, 23.8905

Details

The Yxy color **15.1219, 0.6292, 0.3240** 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 **54.6460, 0.2339, 0.3622**, and the grayscale version is **5.8307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8470, 0.5486, 0.3446**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.1202, 0.6293, 0.3240**, and if you desaturate by 10%, it is **15.8044, 0.6051, 0.3196**.

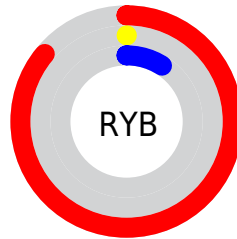
Distribution



Red (86%)

Green (0%)

Blue (9%)



Red (86%)

Yellow (0%)

Blue (9%)

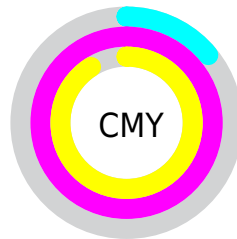


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1219, 0.6292, 0.3240 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 15.1219, 0.6292, 0.3240 by changing the saturation by 10% instead.


 15.1219, 0.6292,
0.3240

 15.1219, 0.6292,
0.3240


224.1029, 0.4544,
0.3501


 8.9050, 0.6708,
0.3063


 35.0669, 0.5655,
0.3416


 4.6793, 0.7218,
0.2782

 49.5637, 0.5411,
0.3456


 2.0603, 0.7704,
0.2296

 67.5894, 0.5206,
0.3480

 0.6422, 0.8432,
0.1568

 89.5282, 0.5032,
0.3493

 0.0000, 1.0000,
0.0000


 115.7645, 0.4883,
0.3500


 0.0000, 0.0000,
0.0000


 146.6828, 0.4754,

0.3503


 182.6675, 0.4642,
0.3503


 15.1219, 0.6292,
0.3240


 15.1219, 0.6292,
0.3240


 15.1202, 0.6293,
0.3240


 15.8044, 0.6051,
0.3196


 17.2034, 0.5688,
0.3158

 19.5391, 0.5251,
0.3141


 22.9380, 0.4801,
0.3142

 27.5068, 0.4385,
0.3158

 33.3393, 0.4025,
0.3181

 40.5197, 0.3725,
0.3209

 49.1252, 0.3481,
0.3237

 59.2268, 0.3284,
0.3264

Harmonies

Analogous

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



15.1219, 0.5511, 0.2459



15.1219, 0.6292, 0.3240



15.1219, 0.5815, 0.4185

Triad

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



15.1219, 0.6292, 0.3240



15.1219, 0.1956, 0.6108



15.1219, 0.1213, 0.1150

Complementary

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



15.1219, 0.6292, 0.3240



54.6460, 0.2339, 0.3622

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.



15.1219, 0.0814, 0.1323



15.1219, 0.6292, 0.3240



15.1219, 0.1059, 0.3721

Square

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



15.1219, 0.6292, 0.3240



15.1219, 0.3233, 0.6545



15.1219, 0.0747, 0.2011



15.1219, 0.2107, 0.1296

Rectangle

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



15.1219, 0.6292, 0.3240



15.1219, 0.5041, 0.4959



15.1219, 0.0747, 0.2011



15.1219, 0.1036, 0.1168

Sweetspot

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



15.1229, 0.6292, 0.3240



56.8674, 0.3733, 0.3208



16.5134, 0.2914, 0.1379



11.2035, 0.3854, 0.3196



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.



15.1229, 0.6292, 0.3240



21.3379, 0.6304, 0.3246



21.4012, 0.5761, 0.3807



13.0736, 0.3275, 0.3266



8.9742, 0.6271, 0.3228



0.5891, 0.5954, 0.3054

Inverse Universe

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



15.1229, 0.6292, 0.3240



21.3379, 0.6304, 0.3246



22.4662, 0.1880, 0.1968



13.0736, 0.3275, 0.3266



8.9742, 0.6271, 0.3228



0.5891, 0.5954, 0.3054

Previews

White Background



This preview shows how the Yxy color 15.1219, 0.6292, 0.3240 looks on a white background.

Color Contrast Check

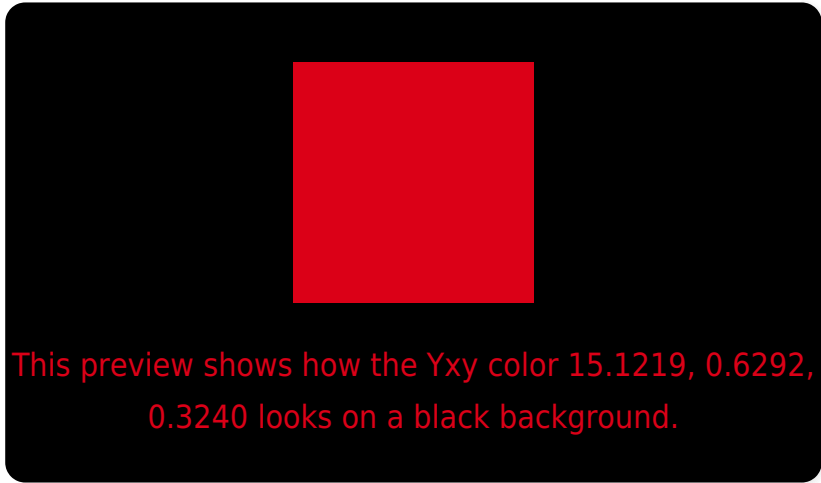
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1219, 0.6292, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 15.1219, 0.6292, 0.3240.



This preview shows how white text looks on a background with the Yxy color 15.1219, 0.6292, 0.3240.

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

15.1219, 0.6292, 0.3240

Protanopia

15.7470, 0.4137, 0.4565

Tritanopia

15.4057, 0.6339, 0.3349

Trichromacy



Original Color

15.1219, 0.6292, 0.3240

Protanomaly

11.8969, 0.5277, 0.3769

Tritanomaly

15.2108, 0.6334, 0.3311

Monochromacy



Original Color

15.1219, 0.6292, 0.3240

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

6.1866, 0.4881, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1219, 0.6292, 0.3240 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, 23)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 23)  
}
```

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, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 23) }
```

Border

The CSS property to change the border of an element to Yxy 15.1219, 0.6292, 0.3240 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, 23) }
```

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

```
.border{ border-color:rgb(219, 0, 23) }
```

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, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 23);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 23)  
}
```

Background

The CSS property to change the background color of an element to Yxy 15.1219, 0.6292, 0.3240 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, 23) }
```

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

```
.background{ background-color: rgb(219, 0,  
23) }
```

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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