

Converting Colors

$Y_{xy}(15.3700, 0.6392, 0.3329)$

Have a look what the booklet for
Yxy(15.3700, 0.6392, 0.3329)
contains.

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Color

Yxy(15.4327, 0.6374, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	DC0A00
RGB	220, 10, 0
RGB Percent	86%, 4%, 0%
CMY	0.1373, 0.9601, 1.0000
CMYK	0.00, 0.95, 1.00, 0.14
HSL	3°, 100%, 43%
HSV	3°, 100%, 86%
XYZ	29.6200, 15.4327, 1.4173
YIQ	71.6500, 128.3700, 41.4100

Conversions

Conversions Part 2

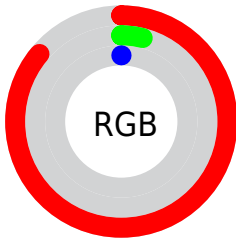
Format	Color
RYB	220, 10, 0
Decimal	14420480
CIELab	46.22, 70.79, 60.23
CIELCh	46, 92.949, 40.391
Yxy	15.4327, 0.6374, 0.3321
Android (android.graphics.Color)	4292610560 (0xFFDC0A00)
YUV	71.6500, -35.3235, 130.1029
Hunter-Lab	39.2845, 65.8389, 25.3600

Details

The Yxy color **15.4327, 0.6374, 0.3321** 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 **51.1677, 0.2207, 0.3144**, and the grayscale version is **6.4793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0180, 0.5604, 0.3561**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.4337, 0.6374, 0.3321**, and if you desaturate by 10%, it is **16.2587, 0.6189, 0.3337**.

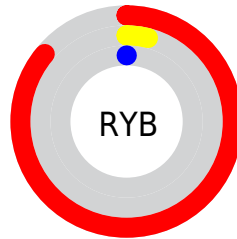
Distribution



Red (86%)

Green (4%)

Blue (0%)



Red (86%)

Yellow (4%)

Blue (0%)

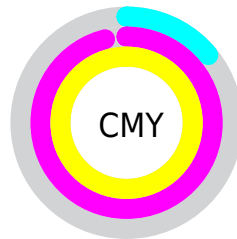


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (96%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4327, 0.6374, 0.3321 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 15.4327, 0.6374, 0.3321 by changing the saturation by 10% instead.


 15.4327, 0.6374,
0.3321


 15.4327, 0.6374,
0.3321


 225.9705, 0.4632,
0.3583


 9.1236, 0.6798,
0.3149


 35.6105, 0.5762,
0.3511


 4.8219, 0.7181,
0.2819

 50.2480, 0.5521,
0.3552

 2.1432, 0.7658,
0.2342

 68.4305, 0.5314,
0.3576

 0.6887, 0.8361,
0.1639

 90.5422, 0.5137,
0.3587


 0.0000, 1.0000,
0.0000

 116.9677, 0.4984,
0.3592

 0.0000, 0.0000,
0.0000


 148.0913, 0.4850,


0.3592


 184.2975, 0.4734,
0.3589

 15.4327, 0.6374,
0.3321


 15.4327, 0.6374,
0.3321

 15.4337, 0.6374,
0.3321


 16.2587, 0.6189,
0.3337

 17.8626, 0.5859,
0.3355


 20.3862, 0.5424,
0.3363


 23.9397, 0.4954,
0.3362

 28.6174, 0.4508,
0.3354

 34.5031, 0.4115,
0.3342

 41.6727, 0.3787,
0.3329

 50.1958, 0.3518,
0.3315

 60.1370, 0.3301,
0.3302

Harmonies

Analogous

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



15.4327, 0.5808, 0.2535



15.4327, 0.6374, 0.3321



15.4327, 0.5694, 0.4306

Triad

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



15.4327, 0.6374, 0.3321



15.4327, 0.1730, 0.5957



15.4327, 0.1259, 0.1104

Complementary

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



15.4327, 0.6374, 0.3321



51.1677, 0.2207, 0.3144

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.



15.4327, 0.0802, 0.1223



15.4327, 0.6374, 0.3321



15.4327, 0.0921, 0.3384

Square

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



15.4327, 0.6374, 0.3321



15.4327, 0.2987, 0.6741



15.4327, 0.0686, 0.1810



15.4327, 0.2259, 0.1294

Rectangle

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



15.4327, 0.6374, 0.3321



15.4327, 0.4855, 0.5145



15.4327, 0.0686, 0.1810



15.4327, 0.1059, 0.1107

Sweetspot

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



15.4337, 0.6374, 0.3321



57.9653, 0.3794, 0.3329



19.9993, 0.3295, 0.1589



11.4512, 0.3927, 0.3335



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.



15.4337, 0.6374, 0.3321



21.5178, 0.6378, 0.3318



28.0112, 0.5325, 0.4154



13.1475, 0.3290, 0.3301



9.1039, 0.6365, 0.3328



0.6246, 0.6258, 0.3413

Inverse Universe

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



51.1677, 0.2207, 0.3144



71.4483, 0.2206, 0.3142



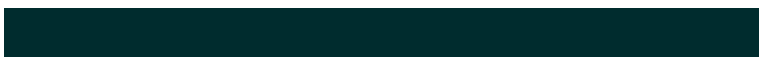
14.7991, 0.1736, 0.1449



14.7210, 0.2982, 0.3279



30.0818, 0.2207, 0.3146



1.9814, 0.2214, 0.3171

Previews

White Background



This preview shows how the Yxy color 15.4327, 0.6374, 0.3321 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 15.4327, 0.6374, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 15.4327, 0.6374, 0.3321.



This preview shows how white text looks on a background with the Yxy color 15.4327, 0.6374, 0.3321.

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

15.4327, 0.6374, 0.3321

Protanopia

15.8127, 0.4277, 0.4712

Deuteranopia

15.8835, 0.4686, 0.4661



Tritanopia

15.5604, 0.6340, 0.3348

Trichromacy



Original Color

15.4327, 0.6374, 0.3321

Protanomaly

12.4148, 0.5408, 0.3936

Deuteranomaly

12.9415, 0.5628, 0.3913

Tritanomaly

15.4307, 0.6355, 0.3336

Monochromacy



Original Color

15.4327, 0.6374, 0.3321

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.9141, 0.4986, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4327, 0.6374, 0.3321 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, 10, 0)` looks like.

```
.text, #text, p{  
  color:rgb(220, 10, 0)  
}
```

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, 10, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 10, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.4327, 0.6374, 0.3321 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, 10, 0) }
```

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

```
.border{ border-color:rgb(220, 10, 0) }
```

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

Here you see how a box with a 4 pixel rgb(220, 10, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 10, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 10, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 10, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4327, 0.6374, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 10, 0) }
```

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

```
.background{ background-color: rgb(220, 10,  
0) }
```

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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