

Converting Colors

$Y_{xy}(15.8510, 0.6323, 0.3331)$

Have a look what the booklet for
Yxy(15.8510, 0.6323, 0.3331)
contains.

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Color

Yxy(15.8510, 0.6323, 0.3331)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DD1306 |
| RGB | 221, 19, 6 |
| RGB Percent | 87%, 7%, 2% |
| CMY | 0.1333, 0.9257, 0.9764 |
| CMYK | 0.00, 0.91, 0.97, 0.13 |
| HSL | 4°, 95%, 45% |
| HSV | 4°, 97%, 87% |
| XYZ | 30.0888, 15.8510, 1.6465 |
| YIQ | 77.9160, 124.5650, 38.7810 |

Conversions

Conversions Part 2

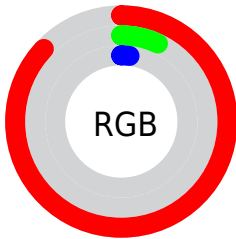
| Format | Color |
|-------------------------------------|--|
| RYB | 221, 20, 6 |
| Decimal | 14488326 |
| CIELab | 46.78, 70.17, 58.78 |
| CIElCh | 47, 91.539, 39.952 |
| Yxy | 15.8510, 0.6323, 0.3331 |
| Android (android.graphics.Color) | 4292678406 (0xFFDD1306) |
| YUV | 77.9160, -35.4546, 125.4847 |
| Hunter-Lab | 39.8133, 65.2277, 25.4174 |

Details

The Yxy color **15.8510, 0.6323, 0.3331** 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 **50.4170, 0.2199, 0.3105**, and the grayscale version is **7.6473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5812, 0.5544, 0.3563**, and **6.9686, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.6702, 0.6365, 0.3328**, and if you desaturate by 10%, it is **16.9580, 0.6096, 0.3358**.

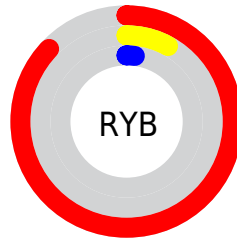
Distribution



Red (87%)

Green (7%)

Blue (2%)



Red (87%)

Yellow (8%)

Blue (2%)

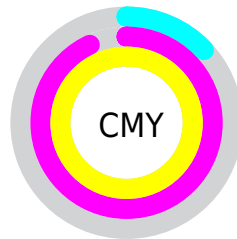


Cyan (0%)

Magenta (91%)

Yellow (97%)

Black (13%)



Cyan (13%)


Magenta (93%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8510, 0.6323, 0.3331 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 15.8510, 0.6323, 0.3331 by changing the saturation by 10% instead.


 15.8510, 0.6323,
0.3331


 15.8510, 0.6323,
0.3331


 228.4609, 0.4602,
0.3574


 9.4188, 0.6730,
0.3161


 36.3393, 0.5714,
0.3508

 5.0153, 0.7144,
0.2856

 51.1642, 0.5476,
0.3547

 2.2563, 0.7611,
0.2389

 69.5555, 0.5272,
0.3568

 0.7504, 0.8286,
0.1714

 91.8975, 0.5098,
0.3579

 0.0000, 1.0000,
0.0000


 118.5747, 0.4947,
0.3583


 0.0000, 0.0000,
0.0000


 149.9713, 0.4817,


0.3582


 186.4720, 0.4703,
0.3579


 15.8510, 0.6323,
0.3331

 15.8510, 0.6323,
0.3331


 15.6702, 0.6365,
0.3328

 16.9580, 0.6096,
0.3358

 18.8905, 0.5729,
0.3377

 21.7712, 0.5280,
0.3384

 25.7007, 0.4816,
0.3380

 30.7669, 0.4386,
0.3368

■ 37.0485, 0.4015,
0.3352

■ 44.6171, 0.3705,
0.3335

■ 53.5387, 0.3453,
0.3318

■ 63.8748, 0.3250,
0.3301

Harmonies

Analogous

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



15.8510, 0.5731, 0.2545



15.8510, 0.6323, 0.3331



15.8510, 0.5691, 0.4309

Triad

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



15.8510, 0.6323, 0.3331



15.8510, 0.1784, 0.5911



15.8510, 0.1276, 0.1132

Complementary

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



15.8510, 0.6323, 0.3331



50.4170, 0.2199, 0.3105

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.



15.8510, 0.0826, 0.1258



15.8510, 0.6323, 0.3331



15.8510, 0.0965, 0.3423

Square

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



15.8510, 0.6323, 0.3331



15.8510, 0.3035, 0.6657



15.8510, 0.0717, 0.1856



15.8510, 0.2258, 0.1317

Rectangle

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



15.8510, 0.6323, 0.3331



15.8510, 0.4875, 0.5125



15.8510, 0.0717, 0.1856



15.8510, 0.1080, 0.1137

Sweetspot

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



15.8520, 0.6323, 0.3331



59.5040, 0.3761, 0.3338



20.1721, 0.3336, 0.1619



11.7583, 0.3892, 0.3346



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.



15.8520, 0.6323, 0.3331



21.6111, 0.6370, 0.3324



29.8708, 0.5229, 0.4210



13.1765, 0.3290, 0.3305



9.1563, 0.6354, 0.3337



0.6384, 0.6218, 0.3445

Inverse Universe

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



50.4170, 0.2199, 0.3105



69.3458, 0.2194, 0.3098



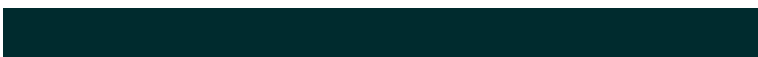
14.9147, 0.1740, 0.1445



14.6884, 0.2982, 0.3275



29.2182, 0.2195, 0.3102



1.9345, 0.2204, 0.3135

Previews

White Background



This preview shows how the Yxy color 15.8510, 0.6323, 0.3331 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 15.8510, 0.6323, 0.3331 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 15.8510, 0.6323, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 15.8510, 0.6323, 0.3331.



This preview shows how white text looks on a background with the Yxy color 15.8510, 0.6323, 0.3331.

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

15.8510, 0.6323, 0.3331

Protanopia

16.1127, 0.4271, 0.4707

Deuteranopia

16.1781, 0.4683, 0.4664



Tritanopia

15.8379, 0.6345, 0.3344

Trichromacy



Original Color

15.8510, 0.6323, 0.3331

Protanomaly

13.0800, 0.5329, 0.3970

Deuteranomaly

13.5826, 0.5560, 0.3953

Tritanomaly

15.8423, 0.6338, 0.3340

Monochromacy



Original Color

15.8510, 0.6323, 0.3331

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

7.9200, 0.4826, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8510, 0.6323, 0.3331 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(221, 19, 6)` looks like.

```
.text, #text, p{  
    color:rgb(221, 19, 6)  
}
```

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(221, 19, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 19, 6) }
```

Border

The CSS property to change the border of an element to Yxy 15.8510, 0.6323, 0.3331 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(221, 19, 6) }
```

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

```
.border{ border-color:rgb(221, 19, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 19, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 19, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 19, 6);  
box-shadow:4px 4px 4px 4px rgb(221, 19, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.8510, 0.6323, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 19, 6) }
```

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

```
.background{ background-color: rgb(221, 19,  
6) }
```

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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