

Converting Colors

$Y_{xy}(14.9585, 0.6355, 0.3336)$

Have a look what the booklet for
Yxy(14.9585, 0.6355, 0.3336)
contains.

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Color

Yxy(14.9695, 0.6354, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	D81000
RGB	216, 16, 0
RGB Percent	85%, 6%, 0%
CMY	0.1530, 0.9371, 1.0000
CMYK	0.00, 0.93, 1.00, 0.15
HSL	4°, 100%, 42%
HSV	4°, 100%, 85%
XYZ	28.5035, 14.9695, 1.3861
YIQ	73.9760, 124.3360, 37.4240

Conversions

Conversions Part 2

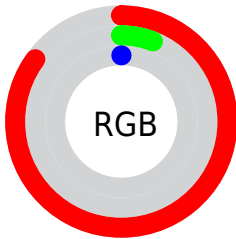
Format	Color
RYB	216, 17, 0
Decimal	14159872
CIELab	45.59, 69.19, 59.49
CIElCh	46, 91.252, 40.691
Yxy	14.9695, 0.6354, 0.3337
Android (android.graphics.Color)	4292349952 (0xFFD81000)
YUV	73.9760, -36.4702, 124.5550
Hunter-Lab	38.6904, 63.7939, 24.9591

Details

The Yxy color **14.9695, 0.6354, 0.3337** 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 **46.2412, 0.2182, 0.3054**, and the grayscale version is **6.8982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1901, 0.5595, 0.3569**, and **6.4840, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.9705, 0.6354, 0.3337**, and if you desaturate by 10%, it is **15.9193, 0.6152, 0.3366**.

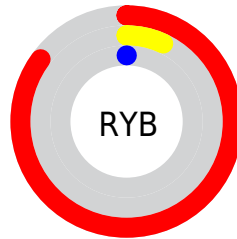
Distribution



Red (85%)

Green (6%)

Blue (0%)



Red (85%)

Yellow (7%)

Blue (0%)

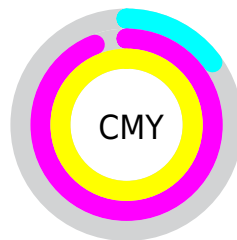


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (94%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9695, 0.6354, 0.3337 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 14.9695, 0.6354, 0.3337 by changing the saturation by 10% instead.


 14.9695, 0.6354,
0.3337


 14.9695, 0.6354,
0.3337


 223.1815, 0.4612,
0.3588


 8.7980, 0.6785,
0.3167


 34.7997, 0.5740,
0.3523


 4.6096, 0.7167,
0.2833

 49.2271, 0.5498,
0.3563


 2.0201, 0.7653,
0.2347

 67.1753, 0.5291,
0.3585

 0.6191, 0.8399,
0.1601

 89.0287, 0.5114,
0.3595


 0.0000, 1.0000,
0.0000


 115.1716, 0.4962,
0.3599


 0.0000, 0.0000,
0.0000


 145.9884, 0.4829,


0.3598

 181.8636, 0.4714,
0.3594


 14.9695, 0.6354,
0.3337


 14.9695, 0.6354,
0.3337

 14.9705, 0.6354,
0.3337

 15.9193, 0.6152,
0.3366

 17.6066, 0.5815,
0.3393

 20.1514, 0.5382,
0.3405

 23.6479, 0.4921,
0.3403

 28.1774, 0.4485,
0.3390

■ 33.8129, 0.4101,
0.3372

■ 40.6205, 0.3779,
0.3351

■ 48.6614, 0.3515,
0.3330

■ 57.9922, 0.3300,
0.3309

Harmonies

Analogous

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



14.9695, 0.5801, 0.2550



14.9695, 0.6354, 0.3337



14.9695, 0.5676, 0.4324

Triad

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



14.9695, 0.6354, 0.3337



14.9695, 0.1732, 0.5908



14.9695, 0.1275, 0.1114

Complementary

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



14.9695, 0.6354, 0.3337



46.2412, 0.2182, 0.3054

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.



14.9695, 0.0814, 0.1230



14.9695, 0.6354, 0.3337



14.9695, 0.0929, 0.3364

Square

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



14.9695, 0.6354, 0.3337



14.9695, 0.2984, 0.6721



14.9695, 0.0696, 0.1812



14.9695, 0.2279, 0.1307

Rectangle

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



14.9695, 0.6354, 0.3337



14.9695, 0.4842, 0.5158



14.9695, 0.0696, 0.1812



14.9695, 0.1074, 0.1116

Sweetspot

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



14.9705, 0.6354, 0.3337



58.8523, 0.3787, 0.3352



18.8436, 0.3386, 0.1639



11.6524, 0.3918, 0.3361



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.



14.9705, 0.6354, 0.3337



21.7240, 0.6360, 0.3332



28.6155, 0.5226, 0.4233



12.5675, 0.3289, 0.3308



8.9212, 0.6341, 0.3347



0.5911, 0.6167, 0.3485

Inverse Universe

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



46.2412, 0.2182, 0.3054



67.2401, 0.2181, 0.3051



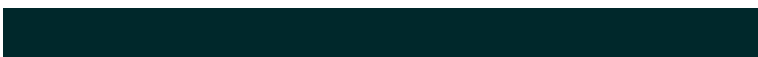
12.8919, 0.1707, 0.1345



13.9425, 0.2983, 0.3272



27.4408, 0.2183, 0.3058



1.7033, 0.2195, 0.3101

Previews

White Background



This preview shows how the Yxy color 14.9695, 0.6354, 0.3337 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 14.9695, 0.6354, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 14.9695, 0.6354, 0.3337.



This preview shows how white text looks on a background with the Yxy color 14.9695, 0.6354, 0.3337.

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

14.9695, 0.6354, 0.3337

Protanopia

15.4467, 0.4261, 0.4717

Deuteranopia

15.3039, 0.4694, 0.4655



Tritanopia

14.9128, 0.6342, 0.3347

Trichromacy



Original Color

14.9695, 0.6354, 0.3337

Protanomaly

12.3807, 0.5343, 0.3985

Deuteranomaly

12.7417, 0.5587, 0.3946

Tritanomaly

14.8797, 0.6346, 0.3343

Monochromacy



Original Color

14.9695, 0.6354, 0.3337

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.1871, 0.4923, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9695, 0.6354, 0.3337 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(216, 16, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 16, 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(216, 16, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 16, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.9695, 0.6354, 0.3337 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(216, 16, 0) }
```

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

```
.border{ border-color:rgb(216, 16, 0) }
```

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

Here you see how a box with a 4 pixel rgb(216, 16, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 16, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 16, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 16, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.9695, 0.6354, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 16, 0) }
```

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

```
.background{ background-color: rgb(216, 16,  
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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