

Converting Colors

$Y_{xy}(16.5381, 0.6284, 0.3392)$

Have a look what the booklet for
Yxy(16.5381, 0.6284, 0.3392)
contains.

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Color

Yxy(16.5096, 0.6287, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	DE1F00
RGB	222, 31, 0
RGB Percent	87%, 12%, 0%
CMY	0.1293, 0.8786, 1.0000
CMYK	0.00, 0.86, 1.00, 0.13
HSL	8°, 100%, 44%
HSV	8°, 100%, 87%
XYZ	30.6182, 16.5096, 1.5730
YIQ	84.5750, 123.7870, 30.8510

Conversions

Conversions Part 2

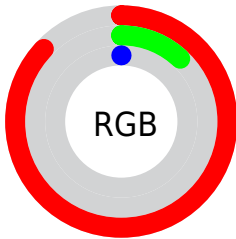
Format	Color
R_{YB}	222, 36, 0
Decimal	14556928
CIE _{Lab}	47.64, 68.46, 61.01
CIE _{LCh}	48, 91.700, 41.705
Yxy	16.5096, 0.6287, 0.3390
Android (android.graphics.Color)	4292747008 (0xFFDE1F00)
YUV	84.5750, -41.6955, 120.5217
Hunter-Lab	40.6320, 63.4027, 26.1470

Details

The Yxy color **16.5096, 0.6287, 0.3390** 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 **42.5598, 0.2121, 0.2836**, and the grayscale version is **9.0573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4692, 0.5522, 0.3625**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.5104, 0.6287, 0.3390**, and if you desaturate by 10%, it is **17.8786, 0.6058, 0.3447**.

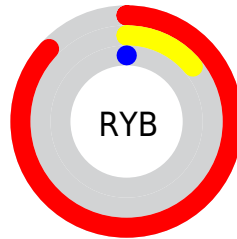
Distribution



Red (87%)

Green (12%)

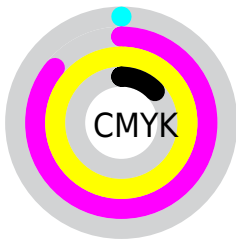
Blue (0%)



Red (87%)

Yellow (14%)

Blue (0%)

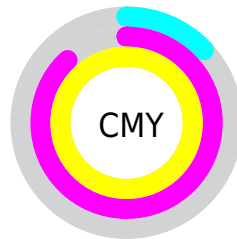


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (88%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5096, 0.6287, 0.3390 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 16.5096, 0.6287, 0.3390 by changing the saturation by 10% instead.


 16.5096, 0.6287,
0.3390

 16.5096, 0.6287,
0.3390


 232.3303, 0.4604,
0.3606


 9.8855, 0.6682,
0.3229


 37.4807, 0.5698,
0.3558


 5.3231, 0.7069,
0.2931

 52.5964, 0.5465,
0.3593

 2.4381, 0.7520,
0.2480

 71.3114, 0.5265,
0.3612

 0.8454, 0.8164,
0.1836

 94.0102, 0.5094,
0.3619

 0.0000, 1.0000,
0.0000


 121.0771, 0.4945,
0.3621

 0.0000, 0.0000,
0.0000


 152.8964, 0.4816,


0.3618


 189.8527, 0.4703,
0.3613


 16.5096, 0.6287,
0.3390


 16.5096, 0.6287,
0.3390

 16.5104, 0.6287,
0.3390

 17.8786, 0.6058,
0.3447

 19.9956, 0.5714,
0.3491

 22.9592, 0.5293,
0.3507

 26.8474, 0.4853,
0.3500

 31.7291, 0.4439,
0.3476

■ 37.6666, 0.4074,
0.3441

■ 44.7173, 0.3765,
0.3403

■ 52.9340, 0.3509,
0.3363

■ 62.3666, 0.3299,
0.3325

Harmonies

Analogous

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



16.5096, 0.5779, 0.2600



16.5096, 0.6287, 0.3390



16.5096, 0.5618, 0.4382

Triad

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



16.5096, 0.6287, 0.3390



16.5096, 0.1738, 0.5749



16.5096, 0.1330, 0.1149

Complementary

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



16.5096, 0.6287, 0.3390



42.5598, 0.2121, 0.2836

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.



16.5096, 0.0856, 0.1256



16.5096, 0.6287, 0.3390



16.5096, 0.0954, 0.3299

Square

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



16.5096, 0.6287, 0.3390



16.5096, 0.2970, 0.6646



16.5096, 0.0730, 0.1817



16.5096, 0.2346, 0.1351

Rectangle

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



16.5096, 0.6287, 0.3390



16.5096, 0.4798, 0.5202



16.5096, 0.0730, 0.1817



16.5096, 0.1124, 0.1148

Sweetspot

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



16.5106, 0.6287, 0.3390



60.9625, 0.3772, 0.3404



19.3566, 0.3582, 0.1747



12.1333, 0.3897, 0.3420



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.



16.5106, 0.6287, 0.3390



22.4955, 0.6295, 0.3383



34.4681, 0.5036, 0.4383



14.0073, 0.3289, 0.3323



9.9000, 0.6269, 0.3404



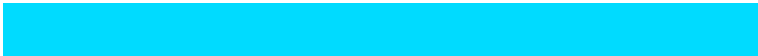
0.7861, 0.6020, 0.3602

Inverse Universe

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



42.5598, 0.2121, 0.2836



58.1107, 0.2120, 0.2833



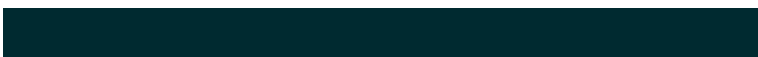
11.2208, 0.1652, 0.1147



15.2293, 0.2982, 0.3256



25.3982, 0.2123, 0.2844



1.8514, 0.2144, 0.2919

Previews

White Background



This preview shows how the Yxy color 16.5096, 0.6287, 0.3390 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 16.5096, 0.6287, 0.3390 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 16.5096, 0.6287, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 16.5096, 0.6287, 0.3390.



This preview shows how white text looks on a background with the Yxy color 16.5096, 0.6287, 0.3390.

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

16.5096, 0.6287, 0.3390

Protanopia

16.7077, 0.4278, 0.4725

Deuteranopia

16.6544, 0.4705, 0.4646



Tritanopia

16.5283, 0.6180, 0.3320

Trichromacy



Original Color

16.5096, 0.6287, 0.3390

Protanomaly

14.0657, 0.5258, 0.4068

Deuteranomaly

14.5080, 0.5501, 0.4014

Tritanomaly

16.4956, 0.6232, 0.3350

Monochromacy



Original Color

16.5096, 0.6287, 0.3390

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.1978, 0.4762, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5096, 0.6287, 0.3390 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(222, 31, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 31, 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(222, 31, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 31, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.5096, 0.6287, 0.3390 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(222, 31, 0) }
```

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

```
.border{ border-color:rgb(222, 31, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 31, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 31, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 31, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 31, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.5096, 0.6287, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 31, 0) }
```

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

```
.background{ background-color: rgb(222, 31,  
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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