

Converting Colors

$Y_{xy}(17.3865, 0.6039, 0.3587)$

Have a look what the booklet for
Yxy(17.3865, 0.6039, 0.3587)
contains.

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Color

$Y_{xy}(17.4241, 0.6035, 0.3590)$

Conversions

Conversions Part 1

Format	Color
Hex	D63B00
RGB	214, 59, 0
RGB Percent	84%, 23%, 0%
CMY	0.1609, 0.7685, 0.9999
CMYK	0.00, 0.72, 1.00, 0.16
HSL	17°, 100%, 42%
HSV	17°, 100%, 84%
XYZ	29.2909, 17.4241, 1.8201
YIQ	98.6190, 111.3190, 14.5110

Conversions

Conversions Part 2

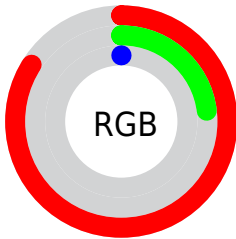
Format	Color
R_{YB}	214, 81, 0
Decimal	14039808
CIE _{Lab}	48.79, 58.46, 60.57
CIE _{LCh}	49, 84.181, 46.015
Yxy	17.4241, 0.6035, 0.3590
Android (android.graphics.Color)	4292229888 (0xFFD63B00)
YUV	98.6190, -48.6192, 101.1891
Hunter-Lab	41.7422, 52.2065, 26.6343

Details

The Yxy color **17.4241, 0.6035, 0.3590** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **28.2837, 0.1988, 0.2358**, and the grayscale version is **12.4855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0563, 0.5341, 0.3770**, and **6.4840, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.4231, 0.6035, 0.3590**, and if you desaturate by 10%, it is **19.3182, 0.5778, 0.3678**.

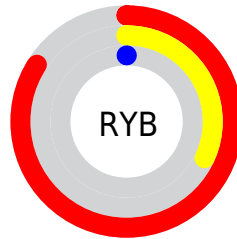
Distribution



Red (84%)

Green (23%)

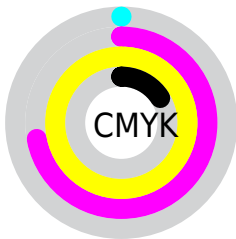
Blue (0%)



Red (84%)

Yellow (32%)

Blue (0%)

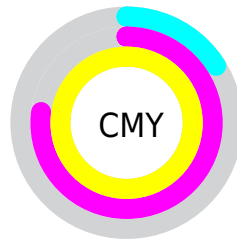


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (77%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4241, 0.6035, 0.3590 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 17.4241, 0.6035, 0.3590 by changing the saturation by 10% instead.


 17.4241, 0.6035,
0.3590


 17.4241, 0.6035,
0.3590


 237.6046, 0.4486,
0.3669


 10.5373, 0.6392,
0.3463


 39.0535, 0.5490,
0.3701


 5.7566, 0.6776,
0.3224

 54.5650, 0.5275,
0.3716


 2.6977, 0.7185,
0.2815

 73.7201, 0.5092,
0.3719

 0.9760, 0.7787,
0.2213

 96.9033, 0.4935,
0.3714


 0.0000, 1.0000,
0.0000


 124.4989, 0.4799,
0.3705

 0.0000, 0.0000,
0.0000


 156.8914, 0.4681,


0.3694


 194.4652, 0.4577,
0.3681

 17.4241, 0.6035,
0.3590


 17.4241, 0.6035,
0.3590


 17.4231, 0.6035,
0.3590

 19.3182, 0.5778,
0.3678

 21.7839, 0.5448,
0.3730

 24.8767, 0.5074,
0.3738

 28.6392, 0.4692,
0.3709

 33.1097, 0.4333,
0.3654

■ 38.3235, 0.4011,
0.3585

■ 44.3135, 0.3732,
0.3509

■ 51.1103, 0.3494,
0.3433

■ 58.7431, 0.3295,
0.3359

Harmonies

Analogous

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



17.4241, 0.5695, 0.2793



17.4241, 0.6035, 0.3590



17.4241, 0.5375, 0.4580

Triad

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



17.4241, 0.6035, 0.3590



17.4241, 0.1742, 0.5175



17.4241, 0.1550, 0.1284

Complementary

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



17.4241, 0.6035, 0.3590



28.2837, 0.1988, 0.2358

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.



17.4241, 0.1023, 0.1350



17.4241, 0.6035, 0.3590



17.4241, 0.1045, 0.3068

Square

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



17.4241, 0.6035, 0.3590



17.4241, 0.2899, 0.6352



17.4241, 0.0860, 0.1830



17.4241, 0.2610, 0.1524

Rectangle

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



17.4241, 0.6035, 0.3590



17.4241, 0.4629, 0.5362



17.4241, 0.0860, 0.1830



17.4241, 0.1325, 0.1270

Sweetspot

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



17.4252, 0.6035, 0.3590



65.6189, 0.3740, 0.3511



16.7250, 0.4032, 0.1995



13.2056, 0.3854, 0.3544



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.



17.4252, 0.6035, 0.3590



25.6829, 0.6052, 0.3577



40.8636, 0.4682, 0.4665



12.9728, 0.3284, 0.3355



10.6843, 0.6009, 0.3610



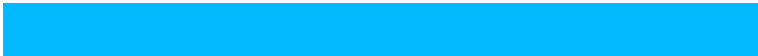
0.7831, 0.5664, 0.3884

Inverse Universe

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



28.2837, 0.1988, 0.2358



41.7760, 0.1986, 0.2348



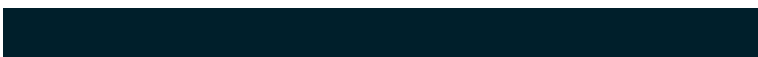
7.1308, 0.1567, 0.0842



13.5016, 0.2982, 0.3224



17.2804, 0.1993, 0.2373



1.1776, 0.2042, 0.2550

Previews

White Background



This preview shows how the Yxy color 17.4241, 0.6035, 0.3590 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 17.4241, 0.6035, 0.3590 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 17.4241, 0.6035, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 17.4241, 0.6035, 0.3590.



This preview shows how white text looks on a background with the Yxy color 17.4241, 0.6035, 0.3590.

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

17.4241, 0.6035, 0.3590

Protanopia

17.6138, 0.4302, 0.4770

Deuteranopia

17.5719, 0.4694, 0.4655



Tritanopia

17.4749, 0.5657, 0.3281

Trichromacy



Original Color

17.4241, 0.6035, 0.3590

Protanomaly

15.9773, 0.5061, 0.4263

Deuteranomaly

16.3122, 0.5288, 0.4183

Tritanomaly

17.4028, 0.5879, 0.3438

Monochromacy



Original Color

17.4241, 0.6035, 0.3590

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.3622, 0.4465, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4241, 0.6035, 0.3590 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(214, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 59, 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(214, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 59, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4241, 0.6035, 0.3590 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(214, 59, 0) }
```

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

```
.border{ border-color:rgb(214, 59, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 59, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 59, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.4241, 0.6035, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 59, 0) }
```

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

```
.background{ background-color: rgb(214, 59,  
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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