

Converting Colors

$Y_{xy}(14.3216, 0.6351, 0.3339)$

Have a look what the booklet for
Yxy(14.3216, 0.6351, 0.3339)
contains.

Yxy(14.3676, 0.6352, 0.3338)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.3676, 0.6352, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	D41000
RGB	212, 16, 0
RGB Percent	83%, 6%, 0%
CMY	0.1686, 0.9375, 0.9997
CMYK	0.00, 0.92, 1.00, 0.17
HSL	4°, 100%, 42%
HSV	4°, 100%, 83%
XYZ	27.3406, 14.3676, 1.3343
YIQ	72.7800, 121.9520, 36.5760

Conversions

Conversions Part 2

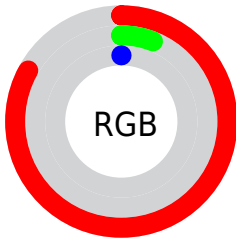
Format	Color
RYB	212, 17, 0
Decimal	13897728
CIELab	44.76, 68.18, 58.64
CIElCh	45, 89.931, 40.697
Yxy	14.3676, 0.6352, 0.3338
Android (android.graphics.Color)	4292087808 (0xFFD41000)
YUV	72.7800, -35.8805, 122.0959
Hunter-Lab	37.9046, 62.4191, 24.4461

Details

The Yxy color **14.3676, 0.6352, 0.3338** 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 **44.3013, 0.2181, 0.3052**, and the grayscale version is **6.6662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0085, 0.5612, 0.3566**, and **6.2030, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.3663, 0.6352, 0.3338**, and if you desaturate by 10%, it is **15.2897, 0.6147, 0.3367**.

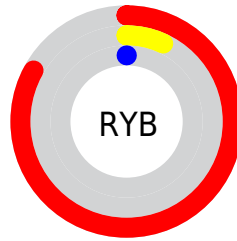
Distribution



Red (83%)

Green (6%)

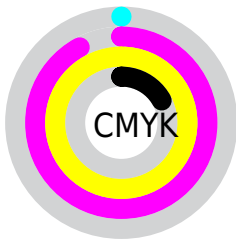
Blue (0%)



Red (83%)

Yellow (7%)

Blue (0%)

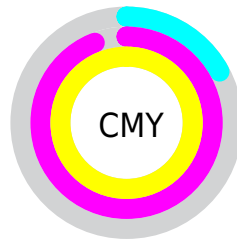


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (94%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3676, 0.6352, 0.3338 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 14.3676, 0.6352, 0.3338 by changing the saturation by 10% instead.


 14.3676, 0.6352,
0.3338


 14.3676, 0.6352,
0.3338


 219.5058, 0.4599,
0.3587


 8.3768, 0.6797,
0.3169


 33.7399, 0.5730,
0.3525


 4.3370, 0.7177,
0.2823

 47.8901, 0.5487,
0.3565


 1.8638, 0.7675,
0.2325

 65.5289, 0.5279,
0.3586

 0.5265, 0.8498,
0.1502

 87.0408, 0.5101,
0.3596


 0.0000, 1.0000,
0.0000

 112.8100, 0.4949,
0.3599

 0.0000, 0.0000,
0.0000

 143.2210, 0.4816,


0.3597


 178.6581, 0.4701,
0.3593


 14.3676, 0.6352,
0.3338


 14.3676, 0.6352,
0.3338


 14.3663, 0.6352,
0.3338

 15.2897, 0.6147,
0.3367

 16.9188, 0.5809,
0.3394

 19.3691, 0.5376,
0.3406

 22.7301, 0.4916,
0.3403

 27.0796, 0.4480,
0.3391

■ 32.4868, 0.4098,
0.3372

■ 39.0149, 0.3777,
0.3351

■ 46.7221, 0.3513,
0.3330

■ 55.6626, 0.3300,
0.3309

Harmonies

Analogous

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



14.3676, 0.5800, 0.2551



14.3676, 0.6352, 0.3338



14.3676, 0.5675, 0.4325

Triad

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



14.3676, 0.6352, 0.3338



14.3676, 0.1733, 0.5905



14.3676, 0.1276, 0.1115

Complementary

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



14.3676, 0.6352, 0.3338



44.3013, 0.2181, 0.3052

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.



14.3676, 0.0815, 0.1231



14.3676, 0.6352, 0.3338



14.3676, 0.0930, 0.3363

Square

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



14.3676, 0.6352, 0.3338



14.3676, 0.2986, 0.6721



14.3676, 0.0697, 0.1813



14.3676, 0.2280, 0.1309

Rectangle

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



14.3676, 0.6352, 0.3338



14.3676, 0.4842, 0.5158



14.3676, 0.0697, 0.1813



14.3676, 0.1075, 0.1117

Sweetspot

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



14.3685, 0.6352, 0.3338



58.8701, 0.3787, 0.3352



18.0731, 0.3385, 0.1639



11.6564, 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.



14.3685, 0.6352, 0.3338



21.7289, 0.6360, 0.3332



27.4747, 0.5223, 0.4234



12.5686, 0.3289, 0.3308



8.9236, 0.6341, 0.3347



0.5916, 0.6165, 0.3487

Inverse Universe

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



44.3013, 0.2181, 0.3052



67.1577, 0.2181, 0.3050



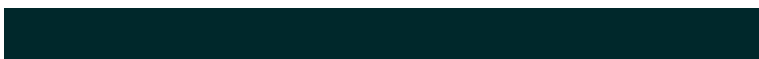
12.3945, 0.1708, 0.1348



13.9413, 0.2983, 0.3272



27.4081, 0.2182, 0.3056



1.7016, 0.2194, 0.3099

Previews

White Background



This preview shows how the Yxy color 14.3676, 0.6352, 0.3338 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 14.3676, 0.6352, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 14.3676, 0.6352, 0.3338.



This preview shows how white text looks on a background with the Yxy color 14.3676, 0.6352, 0.3338.

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

14.3676, 0.6352, 0.3338

Protanopia

14.8692, 0.4267, 0.4718

Deuteranopia

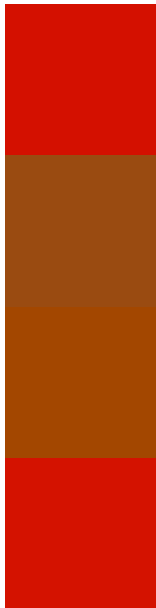
14.6536, 0.4688, 0.4660



Tritanopia

14.4628, 0.6340, 0.3348

Trichromacy



Original Color

14.3676, 0.6352, 0.3338

Protanomaly

11.9426, 0.5336, 0.3997

Deuteranomaly

12.2930, 0.5580, 0.3952

Tritanomaly

14.4297, 0.6344, 0.3345

Monochromacy



Original Color

14.3676, 0.6352, 0.3338

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

6.9383, 0.4926, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3676, 0.6352, 0.3338 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(212, 16, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 16, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 16, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.3676, 0.6352, 0.3338 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(212, 16, 0) }
```

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

```
.border{ border-color:rgb(212, 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(212, 16, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 16, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 16, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 16, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.3676, 0.6352, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 16, 0) }
```

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

```
.background{ background-color: rgb(212, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor