

Converting Colors

$Y_{xy}(14.7213, 0.6346, 0.3325)$

Have a look what the booklet for
Yxy(14.7213, 0.6346, 0.3325)
contains.

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Color

Yxy(14.7677, 0.6349, 0.3325)

Conversions

Conversions Part 1

Format	Color
Hex	D70E03
RGB	215, 14, 3
RGB Percent	84%, 5%, 1%
CMY	0.1568, 0.9450, 0.9886
CMYK	0.00, 0.93, 0.99, 0.16
HSL	3°, 97%, 43%
HSV	3°, 99%, 84%
XYZ	28.1985, 14.7677, 1.4479
YIQ	72.8450, 123.3270, 39.1910

Conversions

Conversions Part 2

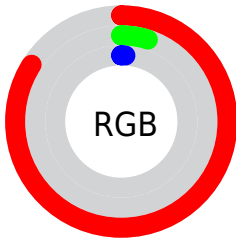
Format	Color
RYB	215, 15, 3
Decimal	14093827
CIELab	45.31, 69.19, 58.33
CIElCh	45, 90.498, 40.133
Yxy	14.7677, 0.6349, 0.3325
Android (android.graphics.Color)	4292283907 (0xFFD70E03)
YUV	72.8450, -34.4336, 124.6699
Hunter-Lab	38.4288, 63.7307, 24.6662

Details

The Yxy color **14.7677, 0.6349, 0.3325** 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 **48.0647, 0.2203, 0.3127**, and the grayscale version is **6.6795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0277, 0.5596, 0.3555**, and **6.4840, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.6930, 0.6369, 0.3325**, and if you desaturate by 10%, it is **15.6820, 0.6142, 0.3347**.

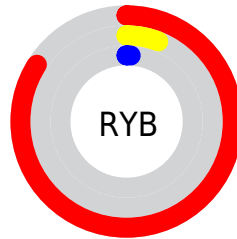
Distribution



Red (84%)

Green (5%)

Blue (1%)



Red (84%)

Yellow (6%)

Blue (1%)

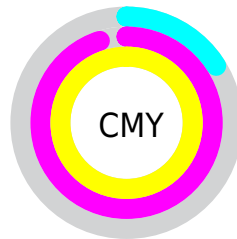


Cyan (0%)

Magenta (93%)

Yellow (99%)

Black (16%)



Cyan (16%)


Magenta (95%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7677, 0.6349, 0.3325 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 14.7677, 0.6349, 0.3325 by changing the saturation by 10% instead.


 14.7677, 0.6349,
0.3325


 14.7677, 0.6349,
0.3325


 221.9558, 0.4600,
0.3577


 8.6565, 0.6782,
0.3153


 34.4451, 0.5728,
0.3510


 4.5178, 0.7179,
0.2821


 48.7802, 0.5485,
0.3550


 1.9672, 0.7669,
0.2331


 66.6253, 0.5278,
0.3572

 0.5883, 0.8438,
0.1562

 88.3649, 0.5101,
0.3583

 0.0000, 1.0000,
0.0000


 114.3833, 0.4949,
0.3587

 0.0000, 0.0000,
0.0000


 145.0651, 0.4817,

0.3586


 180.7944, 0.4702,
0.3582


 14.7677, 0.6349,
0.3325


 14.7677, 0.6349,
0.3325


 14.6930, 0.6369,
0.3325


 15.6820, 0.6142,
0.3347

 17.3546, 0.5792,
0.3365


 19.9094, 0.5348,
0.3372

 23.4454, 0.4881,
0.3370

 28.0485, 0.4444,
0.3360

 33.7950, 0.4063,
0.3347

 40.7544, 0.3744,
0.3331

 48.9906, 0.3485,
0.3316

 58.5630, 0.3275,
0.3302

Harmonies

Analogous

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



14.7677, 0.5768, 0.2539



14.7677, 0.6349, 0.3325



14.7677, 0.5694, 0.4306

Triad

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



14.7677, 0.6349, 0.3325



14.7677, 0.1758, 0.5937



14.7677, 0.1266, 0.1118

Complementary

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



14.7677, 0.6349, 0.3325



48.0647, 0.2203, 0.3127

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.



14.7677, 0.0814, 0.1241



14.7677, 0.6349, 0.3325



14.7677, 0.0943, 0.3407

Square

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



14.7677, 0.6349, 0.3325



14.7677, 0.3015, 0.6702



14.7677, 0.0701, 0.1835



14.7677, 0.2257, 0.1305

Rectangle

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



14.7677, 0.6349, 0.3325



14.7677, 0.4867, 0.5133



14.7677, 0.0701, 0.1835



14.7677, 0.1069, 0.1122

Sweetspot

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



14.7686, 0.6349, 0.3325



58.1574, 0.3793, 0.3334



18.8899, 0.3338, 0.1616



11.4947, 0.3925, 0.3341



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.



14.7686, 0.6349, 0.3325



21.5568, 0.6375, 0.3320



27.7825, 0.5250, 0.4203



12.5240, 0.3290, 0.3303



8.8352, 0.6359, 0.3333



0.5704, 0.6233, 0.3433

Inverse Universe

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



48.0647, 0.2203, 0.3127



70.5173, 0.2201, 0.3123



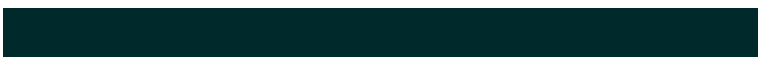
13.7273, 0.1731, 0.1423



13.9912, 0.2983, 0.3277



28.7424, 0.2202, 0.3127



1.7685, 0.2210, 0.3157

Previews

White Background



This preview shows how the Yxy color 14.7677, 0.6349, 0.3325 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 14.7677, 0.6349, 0.3325 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 14.7677, 0.6349, 0.3325

Background



This preview shows how black text looks on a background with the Yxy color 14.7677, 0.6349, 0.3325.



This preview shows how white text looks on a background with the Yxy color 14.7677, 0.6349, 0.3325.

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

14.7677, 0.6349, 0.3325

Protanopia

15.1587, 0.4261, 0.4713

Deuteranopia

15.0189, 0.4698, 0.4652



Tritanopia

14.7619, 0.6341, 0.3347

Trichromacy



Original Color

14.7677, 0.6349, 0.3325

Protanomaly

12.0125, 0.5360, 0.3956

Deuteranomaly

12.5080, 0.5592, 0.3935

Tritanomaly

14.6992, 0.6345, 0.3338

Monochromacy



Original Color

14.7677, 0.6349, 0.3325

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.0294, 0.4898, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7677, 0.6349, 0.3325 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(215, 14, 3)` looks like.

```
.text, #text, p{  
    color:rgb(215, 14, 3)  
}
```

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(215, 14, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 14, 3) }
```

Border

The CSS property to change the border of an element to Yxy 14.7677, 0.6349, 0.3325 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(215, 14, 3) }
```

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

```
.border{ border-color:rgb(215, 14, 3) }
```

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

Here you see how a box with a 4 pixel rgb(215, 14, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 14, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 14, 3);  
box-shadow:4px 4px 4px 4px rgb(215, 14, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.7677, 0.6349, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 14, 3) }
```

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

```
.background{ background-color: rgb(215, 14,  
3) }
```

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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