

Converting Colors

$Y_{xy}(16.9421, 0.6183, 0.3473)$

Have a look what the booklet for
Yxy(16.9421, 0.6183, 0.3473)
contains.

| | |
|--|----|
| Yxy(16.9368, 0.6183, 0.3473) | 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(16.9368, 0.6183, 0.3473)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DB2D00 |
| RGB | 219, 45, 0 |
| RGB Percent | 86%, 18%, 0% |
| CMY | 0.1412, 0.8235, 1.0000 |
| CMYK | 0.00, 0.79, 1.00, 0.14 |
| HSL | 12°, 100%, 43% |
| HSV | 12°, 100%, 86% |
| XYZ | 30.1527, 16.9368, 1.6776 |
| YIQ | 91.8960, 118.1490, 22.8930 |

Conversions

Conversions Part 2

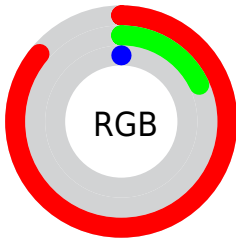
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 219, 57, 0 |
| Decimal | 14363904 |
| CIELab | 48.18, 64.37, 60.89 |
| CIElCh | 48, 88.606, 43.408 |
| Yxy | 16.9368, 0.6183, 0.3473 |
| Android (android.graphics.Color) | 4292553984 (0xFFDB2D00) |
| YUV | 91.8960, -45.3047, 111.4702 |
| Hunter-Lab | 41.1543, 58.7620, 26.3912 |

Details

The Yxy color **16.9368, 0.6183, 0.3473** 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 **35.3864, 0.2058, 0.2608**, and the grayscale version is **10.7642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0708, 0.5437, 0.3691**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.9380, 0.6183, 0.3473**, and if you desaturate by 10%, it is **18.6079, 0.5934, 0.3550**.

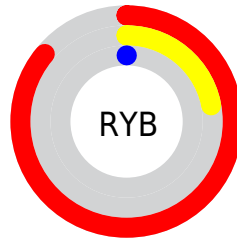
Distribution



Red (86%)

Green (18%)

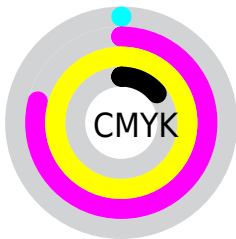
Blue (0%)



Red (86%)

Yellow (22%)

Blue (0%)

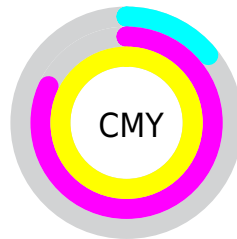


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9368, 0.6183, 0.3473 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 16.9368, 0.6183, 0.3473 by changing the saturation by 10% instead.


 16.9368, 0.6183,
0.3473


 16.9368, 0.6183,
0.3473

 234.8079, 0.4556,
0.3632


 10.1894, 0.6562,
0.3326


 38.2171, 0.5612,
0.3618


 5.5247, 0.6948,
0.3052

 53.5188, 0.5387,
0.3644


 2.5583, 0.7382,
0.2618

 72.4407, 0.5194,
0.3656

 0.9058, 0.8009,
0.1991

 95.3673, 0.5028,
0.3659


 0.0000, 1.0000,
0.0000


 122.6829, 0.4885,
0.3656

 0.0000, 0.0000,
0.0000


 154.7720, 0.4761,


0.3650


 192.0188, 0.4652,
0.3641


 16.9368, 0.6183,
0.3473


 16.9368, 0.6183,
0.3473


 16.9380, 0.6183,
0.3473

 18.6079, 0.5934,
0.3550

 20.9501, 0.5591,
0.3602

 24.0381, 0.5189,
0.3617

 27.9305, 0.4776,
0.3601

 32.6798, 0.4388,
0.3563

■ 38.3338, 0.4044,
0.3511

■ 44.9368, 0.3749,
0.3455

■ 52.5302, 0.3502,
0.3397

■ 61.1527, 0.3297,
0.3342

Harmonies

Analogous

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



16.9368, 0.5745, 0.2679



16.9368, 0.6183, 0.3473



16.9368, 0.5527, 0.4473

Triad

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



16.9368, 0.6183, 0.3473



16.9368, 0.1742, 0.5506



16.9368, 0.1418, 0.1204

Complementary

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



16.9368, 0.6183, 0.3473



35.3864, 0.2058, 0.2608

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.



16.9368, 0.0923, 0.1295



16.9368, 0.6183, 0.3473



16.9368, 0.0992, 0.3200

Square

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



16.9368, 0.6183, 0.3473



16.9368, 0.2946, 0.6534



16.9368, 0.0783, 0.1823



16.9368, 0.2454, 0.1421

Rectangle

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



16.9368, 0.6183, 0.3473



16.9368, 0.4729, 0.5271



16.9368, 0.0783, 0.1823



16.9368, 0.1205, 0.1198

Sweetspot

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



16.9380, 0.6183, 0.3473



63.1764, 0.3756, 0.3456



18.1640, 0.3798, 0.1866



12.6414, 0.3876, 0.3480



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.



16.9380, 0.6183, 0.3473



23.7521, 0.6195, 0.3463



37.9427, 0.4853, 0.4529



13.4828, 0.3286, 0.3339



10.1696, 0.6160, 0.3491



0.7833, 0.5847, 0.3740

Inverse Universe

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



35.3864, 0.2058, 0.2608



49.7418, 0.2056, 0.2602



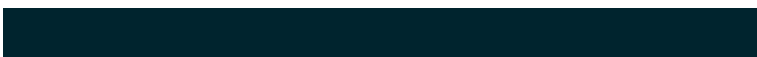
8.9764, 0.1605, 0.0979



14.3514, 0.2982, 0.3241



21.1425, 0.2061, 0.2619



1.4867, 0.2095, 0.2741

Previews

White Background



This preview shows how the Yxy color 16.9368, 0.6183, 0.3473 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 16.9368, 0.6183, 0.3473 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 16.9368, 0.6183, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 16.9368, 0.6183, 0.3473.



This preview shows how white text looks on a background with the Yxy color 16.9368, 0.6183, 0.3473.

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

16.9368, 0.6183, 0.3473

Protanopia

17.3112, 0.4291, 0.4750

Deuteranopia

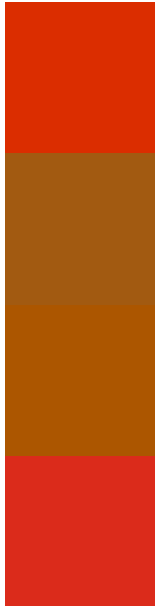
16.9570, 0.4701, 0.4649



Tritanopia

16.8832, 0.5951, 0.3298

Trichromacy



Original Color

16.9368, 0.6183, 0.3473

Protanomaly

15.0342, 0.5163, 0.4160

Deuteranomaly

15.4262, 0.5399, 0.4095

Tritanomaly

16.8670, 0.6075, 0.3384

Monochromacy



Original Color

16.9368, 0.6183, 0.3473

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7512, 0.4592, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9368, 0.6183, 0.3473 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(219, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 45, 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(219, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 45, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.9368, 0.6183, 0.3473 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(219, 45, 0) }
```

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

```
.border{ border-color:rgb(219, 45, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 45, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 45, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.9368, 0.6183, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 45, 0) }
```

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

```
.background{ background-color: rgb(219, 45,  
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