

Converting Colors

$Y_{xy}(17.4284, 0.5873, 0.3641)$

Have a look what the booklet for
Yxy(17.4284, 0.5873, 0.3641)
contains.

Yxy(17.4587, 0.5867, 0.3644)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.4587, 0.5867, 0.3644)

Conversions

Conversions Part 1

Format	Color
Hex	D0430F
RGB	208, 67, 15
RGB Percent	82%, 26%, 6%
CMY	0.1843, 0.7373, 0.9409
CMYK	0.00, 0.68, 0.93, 0.18
HSL	16°, 86%, 44%
HSV	16°, 93%, 82%
XYZ	28.1093, 17.4587, 2.3428
YIQ	103.2310, 100.7280, 13.7200

Conversions

Conversions Part 2

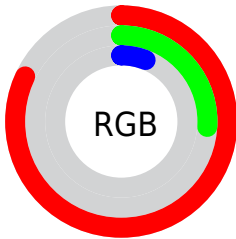
Format	Color
RYB	208, 86, 15
Decimal	13648655
CIELab	48.83, 53.67, 56.15
CIElCh	49, 77.679, 46.294
Yxy	17.4587, 0.5867, 0.3644
Android (android.graphics.Color)	4291838735 (0xFFD0430F)
YUV	103.2310, -43.4979, 91.8824
Hunter-Lab	41.7836, 46.9618, 25.9241

Details

The Yxy color **17.4587, 0.5867, 0.3644** 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 **28.4656, 0.2027, 0.2456**, and the grayscale version is **13.7269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5843, 0.5214, 0.3770**, and **6.0197, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2378, 0.6048, 0.3580**, and if you desaturate by 10%, it is **19.6024, 0.5555, 0.3708**.

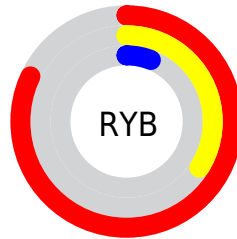
Distribution



Red (82%)

Green (26%)

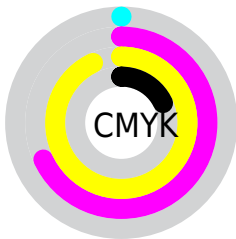
Blue (6%)



Red (82%)

Yellow (34%)

Blue (6%)

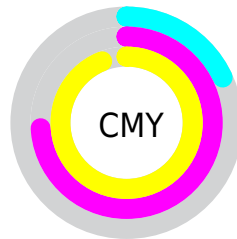


Cyan (0%)

Magenta (68%)

Yellow (93%)

Black (18%)



Cyan (18%)


Magenta (74%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4587, 0.5867, 0.3644 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 17.4587, 0.5867, 0.3644 by changing the saturation by 10% instead.


 17.4587, 0.5867,
0.3644


 17.4587, 0.5867,
0.3644


237.8020, 0.4383,
0.3657


 10.5621, 0.6211,
0.3536


 39.1128, 0.5333,
0.3720


 5.7732, 0.6647,
0.3353

 54.6390, 0.5127,
0.3725


 2.7077, 0.7039,
0.2961

 73.8106, 0.4952,
0.3721

 0.9811, 0.7629,
0.2371

 97.0118, 0.4804,
0.3711

 0.0000, 1.0000,
0.0000


 124.6272, 0.4676,
0.3698


 0.0000, 0.0000,
0.0000

 157.0411, 0.4565,

0.3685

 194.6379, 0.4468,
0.3671


 17.4587, 0.5867,
0.3644

 17.4587, 0.5867,
0.3644


 16.2378, 0.6048,
0.3580

 19.6024, 0.5555,
0.3708

 22.3272, 0.5186,
0.3728

 25.6761, 0.4801,
0.3709

 29.6867, 0.4431,
0.3662

 34.3935, 0.4097,
0.3597

■ 39.8285, 0.3805,
0.3524

■ 46.0214, 0.3556,
0.3449

■ 53.0005, 0.3346,
0.3377

■ 60.7924, 0.3170,
0.3308

Harmonies

Analogous

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



17.4587, 0.5520, 0.2857



17.4587, 0.5867, 0.3644



17.4587, 0.5265, 0.4575

Triad

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



17.4587, 0.5867, 0.3644



17.4587, 0.1844, 0.4989



17.4587, 0.1646, 0.1382

Complementary

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



17.4587, 0.5867, 0.3644



28.4656, 0.2027, 0.2456

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.



17.4587, 0.1124, 0.1451



17.4587, 0.5867, 0.3644



17.4587, 0.1159, 0.3094

Square

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



17.4587, 0.5867, 0.3644



17.4587, 0.2961, 0.6105



17.4587, 0.0965, 0.1926



17.4587, 0.2665, 0.1619

Rectangle

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



17.4587, 0.5867, 0.3644



17.4587, 0.4573, 0.5279



17.4587, 0.0965, 0.1926



17.4587, 0.1424, 0.1369

Sweetspot

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



17.4597, 0.5867, 0.3644



67.3276, 0.3690, 0.3491



16.1750, 0.3954, 0.1984



13.5250, 0.3803, 0.3524



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.



17.4597, 0.5867, 0.3644



25.4694, 0.6067, 0.3565



39.6388, 0.4618, 0.4670



12.3184, 0.3284, 0.3353



10.2566, 0.6023, 0.3600



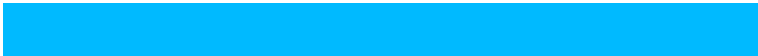
0.7062, 0.5655, 0.3892

Inverse Universe

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



28.4656, 0.2027, 0.2456



42.4989, 0.1993, 0.2373



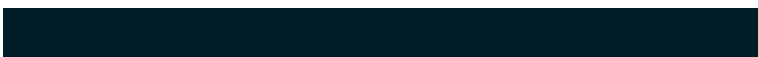
7.8981, 0.1618, 0.0968



12.8465, 0.2983, 0.3226



17.0072, 0.2000, 0.2398



1.0782, 0.2050, 0.2581

Previews

White Background



This preview shows how the Yxy color 17.4587, 0.5867, 0.3644 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 17.4587, 0.5867, 0.3644 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 17.4587, 0.5867, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 17.4587, 0.5867, 0.3644.



This preview shows how white text looks on a background with the Yxy color 17.4587, 0.5867, 0.3644.

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

17.4587, 0.5867, 0.3644

Protanopia

17.6317, 0.4280, 0.4737

Deuteranopia

17.5719, 0.4694, 0.4655



Tritanopia

17.5037, 0.5425, 0.3268

Trichromacy



Original Color

17.4587, 0.5867, 0.3644

Protanomaly

16.3565, 0.4946, 0.4277

Deuteranomaly

16.6304, 0.5200, 0.4222

Tritanomaly

17.4273, 0.5659, 0.3443

Monochromacy



Original Color

17.4587, 0.5867, 0.3644

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.4300, 0.4272, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4587, 0.5867, 0.3644 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(208, 67, 15)` looks like.

```
.text, #text, p{  
    color:rgb(208, 67, 15)  
}
```

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(208, 67, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 67, 15) }
```

Border

The CSS property to change the border of an element to Yxy 17.4587, 0.5867, 0.3644 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(208, 67, 15) }
```

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

```
.border{ border-color:rgb(208, 67, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 67, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 67, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 67, 15);  
box-shadow:4px 4px 4px 4px rgb(208, 67,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4587, 0.5867, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 67, 15) }
```

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

```
.background{ background-color: rgb(208, 67,  
15) }
```

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