

Converting Colors

$Y_{xy}(14.4537, 0.6201, 0.3405)$

Have a look what the booklet for
Yxy(14.4537, 0.6201, 0.3405)
contains.

Yxy(14.4872, 0.6203, 0.3406)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.4872, 0.6203, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	CF2309
RGB	207, 35, 9
RGB Percent	81%, 14%, 4%
CMY	0.1882, 0.8628, 0.9648
CMYK	0.00, 0.83, 0.96, 0.19
HSL	8°, 92%, 42%
HSV	8°, 96%, 81%
XYZ	26.3841, 14.4872, 1.6631
YIQ	83.4640, 110.8580, 28.3780

Conversions

Conversions Part 2

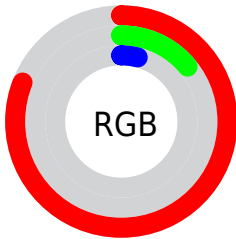
Format	Color
R_{YB}	207, 39, 9
Decimal	13574921
CIE Lab	44.92, 63.56, 55.42
CIE LCh	45, 84.329, 41.084
Yxy	14.4872, 0.6203, 0.3406
Android (android.graphics.Color)	4291765001 (0xFFCF2309)
YUV	83.4640, -36.7108, 108.3411
Hunter-Lab	38.0621, 57.1250, 24.0528

Details

The Yxy color **14.4872, 0.6203, 0.3406** 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 **37.6003, 0.2140, 0.2885**, and the grayscale version is **8.8087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5206, 0.5481, 0.3594**, and **5.8396, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.0601, 0.6292, 0.3386**, and if you desaturate by 10%, it is **15.9027, 0.5924, 0.3459**.

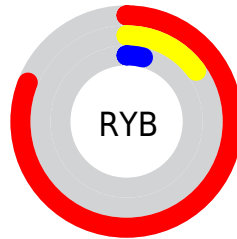
Distribution



Red (81%)

Green (14%)

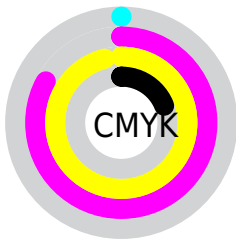
Blue (4%)



Red (81%)

Yellow (15%)

Blue (4%)

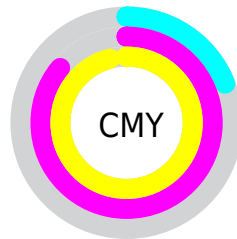


Cyan (0%)

Magenta (83%)

Yellow (96%)

Black (19%)



Cyan (19%)


Magenta (86%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4872, 0.6203, 0.3406 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 14.4872, 0.6203, 0.3406 by changing the saturation by 10% instead.


 14.4872, 0.6203,
0.3406


 14.4872, 0.6203,
0.3406


 220.2410, 0.4509,
0.3587


 8.4603, 0.6622,
0.3249


 33.9510, 0.5591,
0.3560


 4.3909, 0.7052,
0.2948

 48.1567, 0.5355,
0.3589


 1.8945, 0.7538,
0.2462

 65.8575, 0.5155,
0.3603

 0.5451, 0.8353,
0.1647

 87.4377, 0.4986,
0.3607

 0.0000, 1.0000,
0.0000


 113.2818, 0.4840,
0.3606


 0.0000, 0.0000,
0.0000


 143.7741, 0.4715,


0.3601


 179.2990, 0.4605,
0.3595

 14.4872, 0.6203,
0.3406


 14.4872, 0.6203,
0.3406

 14.0601, 0.6292,
0.3386

 15.9027, 0.5924,
0.3459

 18.0010, 0.5537,
0.3489

 20.8565, 0.5100,
0.3494

 24.5331, 0.4667,
0.3479

 29.0877, 0.4272,
0.3451

■ 34.5722, 0.3932,
0.3417

■ 41.0343, 0.3647,
0.3380

■ 48.5187, 0.3412,
0.3343

■ 57.0670, 0.3220,
0.3309

Harmonies

Analogous

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



14.4872, 0.5659, 0.2617



14.4872, 0.6203, 0.3406



14.4872, 0.5613, 0.4387

Triad

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



14.4872, 0.6203, 0.3406



14.4872, 0.1821, 0.5677



14.4872, 0.1361, 0.1196

Complementary

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



14.4872, 0.6203, 0.3406



37.6003, 0.2140, 0.2885

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.



14.4872, 0.0898, 0.1313



14.4872, 0.6203, 0.3406



14.4872, 0.1025, 0.3356

Square

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



14.4872, 0.6203, 0.3406



14.4872, 0.3043, 0.6520



14.4872, 0.0782, 0.1889



14.4872, 0.2348, 0.1391

Rectangle

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



14.4872, 0.6203, 0.3406



14.4872, 0.4827, 0.5173



14.4872, 0.0782, 0.1889



14.4872, 0.1160, 0.1198

Sweetspot

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



14.4881, 0.6203, 0.3406



61.7601, 0.3745, 0.3393



16.9177, 0.3513, 0.1724



12.2749, 0.3870, 0.3409



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.



14.4881, 0.6203, 0.3406



22.3769, 0.6305, 0.3376



29.5432, 0.5015, 0.4369



12.0552, 0.3287, 0.3321



8.9364, 0.6276, 0.3399



0.5837, 0.5991, 0.3625

Inverse Universe

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



37.6003, 0.2140, 0.2885



59.1861, 0.2128, 0.2860



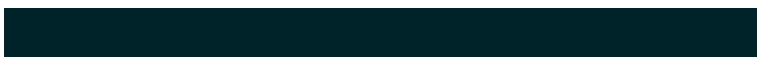
11.0415, 0.1698, 0.1283



13.1309, 0.2983, 0.3259



23.4504, 0.2131, 0.2872



1.3866, 0.2154, 0.2956

Previews

White Background



This preview shows how the Yxy color 14.4872, 0.6203, 0.3406 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 14.4872, 0.6203, 0.3406 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 14.4872, 0.6203, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 14.4872, 0.6203, 0.3406.



This preview shows how white text looks on a background with the Yxy color 14.4872, 0.6203, 0.3406.

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

14.4872, 0.6203, 0.3406

Protanopia

14.8739, 0.4260, 0.4708

Deuteranopia

14.6536, 0.4688, 0.4660



Tritanopia

14.4520, 0.6075, 0.3310

Trichromacy



Original Color

14.4872, 0.6203, 0.3406

Protanomaly

12.6144, 0.5180, 0.4077

Deuteranomaly

13.0324, 0.5424, 0.4053

Tritanomaly

14.4713, 0.6133, 0.3355

Monochromacy



Original Color

14.4872, 0.6203, 0.3406

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.7711, 0.4596, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4872, 0.6203, 0.3406 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(207, 35, 9)` looks like.

```
.text, #text, p{  
    color:rgb(207, 35, 9)  
}
```

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(207, 35, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 35, 9) }
```

Border

The CSS property to change the border of an element to Yxy 14.4872, 0.6203, 0.3406 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(207, 35, 9) }
```

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

```
.border{ border-color:rgb(207, 35, 9) }
```

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

Here you see how a box with a 4 pixel rgb(207, 35, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 35, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 35, 9);  
box-shadow:4px 4px 4px 4px rgb(207, 35, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.4872, 0.6203, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 35, 9) }
```

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

```
.background{ background-color: rgb(207, 35,  
9) }
```

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