

Converting Colors

$Y_{xy}(14.8610, 0.6128, 0.3872)$

Have a look what the booklet for
Yxy(14.8610, 0.6128, 0.3872)
contains.

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Color

Yxy(15.0042, 0.5887, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	C14000
RGB	193, 64, 0
RGB Percent	76%, 25%, 0%
CMY	0.2431, 0.7490, 0.9996
CMYK	0.00, 0.67, 1.00, 0.24
HSL	20°, 100%, 38%
HSV	20°, 100%, 76%
XYZ	23.8278, 15.0042, 1.6433
YIQ	95.2750, 97.4280, 7.4440

Conversions

Conversions Part 2

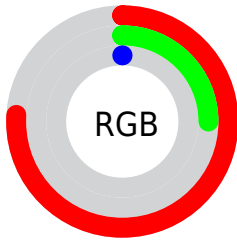
Format	Color
R_{YB}	193, 96, 0
Decimal	12664832
CIE Lab	45.64, 49.58, 56.85
CIE LCh	46, 75.435, 48.907
Yxy	15.0042, 0.5887, 0.3707
Android (android.graphics.Color)	4290854912 (0xFFC14000)
YUV	95.2750, -46.9706, 85.7048
Hunter-Lab	38.7353, 42.0168, 24.5994

Details

The Yxy color **15.0042, 0.5887, 0.3707** 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 **19.5839, 0.1935, 0.2167**, and the grayscale version is **11.6136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5123, 0.5328, 0.3795**, and **4.7458, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.9966, 0.5888, 0.3707**, and if you desaturate by 10%, it is **16.6813, 0.5629, 0.3792**.

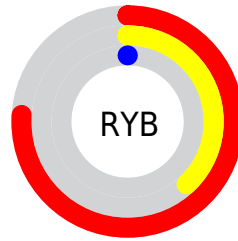
Distribution



Red (76%)

Green (25%)

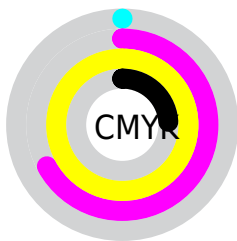
Blue (0%)



Red (76%)

Yellow (38%)

Blue (0%)

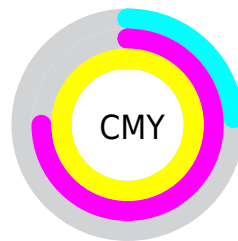


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (75%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0042, 0.5887, 0.3707 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 15.0042, 0.5887, 0.3707 by changing the saturation by 10% instead.


 15.0042, 0.5887,
0.3707


 15.0042, 0.5887,
0.3707


 223.3916, 0.4375,
0.3696


 8.8223, 0.6264,
0.3605


 34.8605, 0.5342,
0.3785


 4.6255, 0.6640,
0.3360

 49.3038, 0.5132,
0.3787

 2.0292, 0.7067,
0.2933

 67.2697, 0.4953,
0.3778

 0.6244, 0.7802,
0.2198

 89.1425, 0.4802,
0.3764


 0.0000, 1.0000,
0.0000

 115.3067, 0.4672,
0.3748

 0.0000, 0.0000,
0.0000

 146.1467, 0.4559,

0.3731


 182.0469, 0.4461,
0.3713


 15.0042, 0.5887,
0.3707


 15.0042, 0.5887,
0.3707


 14.9966, 0.5888,
0.3707

 16.6813, 0.5629,
0.3792

 18.7639, 0.5316,
0.3837

 21.2893, 0.4967,
0.3834

 24.2844, 0.4614,
0.3792

 27.7736, 0.4280,
0.3723

■ 31.7793, 0.3978,
0.3640

■ 36.3226, 0.3713,
0.3550

■ 41.4231, 0.3485,
0.3459

■ 47.0996, 0.3291,
0.3372

Harmonies

Analogous

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



15.0042, 0.5645, 0.2909



15.0042, 0.5887, 0.3707



15.0042, 0.5218, 0.4680

Triad

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



15.0042, 0.5887, 0.3707



15.0042, 0.1734, 0.4860



15.0042, 0.1690, 0.1366

Complementary

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



15.0042, 0.5887, 0.3707



19.5839, 0.1935, 0.2167

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.



15.0042, 0.1128, 0.1405



15.0042, 0.5887, 0.3707



15.0042, 0.1094, 0.2943

Square

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



15.0042, 0.5887, 0.3707



15.0042, 0.2837, 0.6147



15.0042, 0.0939, 0.1835



15.0042, 0.2772, 0.1630

Rectangle

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



15.0042, 0.5887, 0.3707



15.0042, 0.4490, 0.5406



15.0042, 0.0939, 0.1835



15.0042, 0.1453, 0.1344

Sweetspot

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



15.0051, 0.5887, 0.3707



64.5952, 0.3726, 0.3554



13.0047, 0.4212, 0.2094



13.0952, 0.3835, 0.3593



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.0051, 0.5887, 0.3707



26.4561, 0.5915, 0.3685



35.6710, 0.4560, 0.4761



10.6107, 0.3281, 0.3367



10.1058, 0.5865, 0.3725



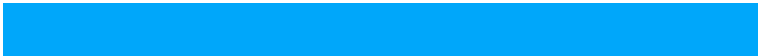
0.5647, 0.5424, 0.4076

Inverse Universe

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



19.5839, 0.1935, 0.2167



34.5828, 0.1930, 0.2147



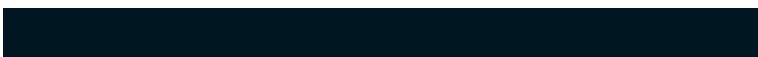
5.0815, 0.1547, 0.0767



10.8481, 0.2984, 0.3212



13.1691, 0.1940, 0.2182



0.6910, 0.2016, 0.2458

Previews

White Background



This preview shows how the Yxy color 15.0042, 0.5887, 0.3707 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 15.0042, 0.5887, 0.3707 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 15.0042, 0.5887, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 15.0042, 0.5887, 0.3707.



This preview shows how white text looks on a background with the Yxy color 15.0042, 0.5887, 0.3707.

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

15.0042, 0.5887, 0.3707

Protanopia

15.1987, 0.4324, 0.4775

Deuteranopia

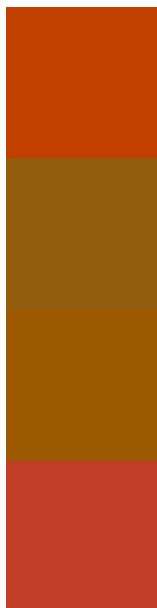
15.0189, 0.4698, 0.4652



Tritanopia

15.0599, 0.5368, 0.3265

Trichromacy



Original Color

15.0042, 0.5887, 0.3707

Protanomaly

14.1537, 0.4967, 0.4340

Deuteranomaly

14.3129, 0.5197, 0.4256

Tritanomaly

14.9600, 0.5668, 0.3489

Monochromacy



Original Color

15.0042, 0.5887, 0.3707

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4922, 0.4357, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0042, 0.5887, 0.3707 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(193, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 64, 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(193, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 64, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.0042, 0.5887, 0.3707 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(193, 64, 0) }
```

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

```
.border{ border-color:rgb(193, 64, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 64, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 64, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 64, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 64, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0042, 0.5887, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 64, 0) }
```

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

```
.background{ background-color: rgb(193, 64,  
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](#).

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