

Converting Colors

$Y_{xy}(14.8876, 0.5185, 0.3907)$

Have a look what the booklet for
Yxy(14.8876, 0.5185, 0.3907)
contains.

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Color

Yxy(14.7868, 0.5188, 0.3910)

Conversions

Conversions Part 1

Format	Color
Hex	A85423
RGB	168, 84, 35
RGB Percent	66%, 33%, 14%
CMY	0.3412, 0.6705, 0.8627
CMYK	0.00, 0.50, 0.79, 0.34
HSL	22°, 66%, 40%
HSV	22°, 79%, 66%
XYZ	19.6199, 14.7868, 3.4112
YIQ	103.5300, 65.7930, 2.5690

Conversions

Conversions Part 2

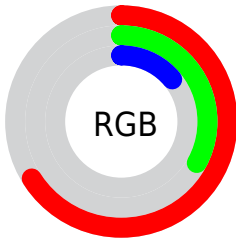
Format	Color
R_{YB}	168, 113, 35
Decimal	11031587
CIE _{Lab}	45.34, 31.10, 42.71
CIE _{LCh}	45, 52.834, 53.940
Yxy	14.7868, 0.5188, 0.3910
Android (android.graphics.Color)	4289221667 (0xFFA85423)
YUV	103.5300, -33.7853, 56.5402
Hunter-Lab	38.4536, 23.7810, 21.6580

Details

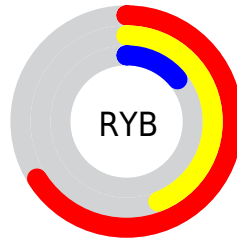
The Yxy color **14.7868, 0.5188, 0.3910** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.3739, 0.2046, 0.2333**, and the grayscale version is **13.7914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4465, 0.4729, 0.3859**, and **4.5767, 0.5812, 0.3767** is the 20% darker color. If you saturate the color by 10%, you get **13.1863, 0.5491, 0.3879**, and if you desaturate by 10%, it is **16.6861, 0.4858, 0.3894**.

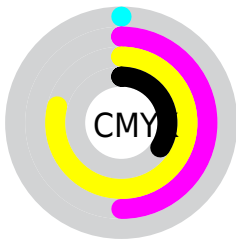
Distribution



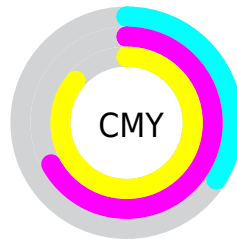
- Red (66%)
- Green (33%)
- Blue (14%)



- Red (66%)
- Yellow (44%)
- Blue (14%)



- Cyan (0%)
- Magenta (50%)
- Yellow (79%)
- Black (34%)





- Cyan (34%)
- Magenta (67%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7868, 0.5188, 0.3910 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 14.7868, 0.5188, 0.3910 by changing the saturation by 10% instead.


 14.7868, 0.5188,
0.3910


 14.7868, 0.5188,
0.3910


222.0721, 0.4004,
0.3663

 8.6699, 0.5506,
0.3905


 34.4787, 0.4731,
0.3857


 4.5265, 0.6027,
0.3914

 48.8225, 0.4565,
0.3823


 1.9722, 0.6389,
0.3611

 66.6774, 0.4429,
0.3791

 0.5913, 0.7057,
0.2943

 88.4278, 0.4315,
0.3760


 0.0000, 1.0000,
0.0000

 114.4581, 0.4219,
0.3733


 0.0000, 0.0000,
0.0000


 145.1526, 0.4137,

0.3707


 180.8959, 0.4066,
0.3684

 14.7868, 0.5188,
0.3910

 14.7868, 0.5188,
0.3910


 13.1863, 0.5491,
0.3879


 16.6861, 0.4858,
0.3894


 11.8591, 0.5750,
0.3805

 18.8984, 0.4527,
0.3839

 11.7580, 0.5772,
0.3799

 21.4394, 0.4214,
0.3760

 24.3230, 0.3930,
0.3666

 27.5623, 0.3679,
0.3567

■ 31.1696, 0.3462,
0.3468

■ 35.1565, 0.3275,
0.3373

■ 39.5340, 0.3115,
0.3283

■ 44.3129, 0.2978,
0.3199

Harmonies

Analogous

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



14.7868, 0.5033, 0.3201



14.7868, 0.5188, 0.3910



14.7868, 0.4705, 0.4650

Triad

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



14.7868, 0.5188, 0.3910



14.7868, 0.2025, 0.4142



14.7868, 0.2158, 0.1797

Complementary

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



14.7868, 0.5188, 0.3910



16.3739, 0.2046, 0.2333

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.



14.7868, 0.1609, 0.1804



14.7868, 0.5188, 0.3910



14.7868, 0.1521, 0.2930

Square

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



14.7868, 0.5188, 0.3910



14.7868, 0.2883, 0.5146



14.7868, 0.1400, 0.2143



14.7868, 0.3072, 0.2062

Rectangle

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



14.7868, 0.5188, 0.3910



14.7868, 0.4164, 0.5080



14.7868, 0.1400, 0.2143



14.7868, 0.1934, 0.1767

Sweetspot

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



14.7876, 0.5188, 0.3910



53.0289, 0.3573, 0.3520



10.8635, 0.4057, 0.2194



11.0804, 0.3649, 0.3554



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



14.7876, 0.5188, 0.3910



22.0673, 0.5686, 0.3822



30.3388, 0.4298, 0.4760



7.9782, 0.3277, 0.3374



8.9719, 0.5754, 0.3813



0.3161, 0.5143, 0.4298

Inverse Universe

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



16.3739, 0.2046, 0.2333



24.7042, 0.1921, 0.2090



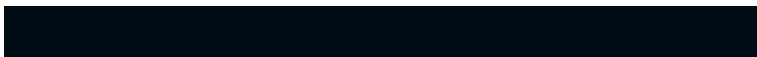
5.7071, 0.1722, 0.1089



8.0603, 0.2987, 0.3205



10.0336, 0.1905, 0.2058



0.3368, 0.2031, 0.2513

Previews

White Background



This preview shows how the Yxy color 14.7868, 0.5188, 0.3910 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 14.7868, 0.5188, 0.3910 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 14.7868, 0.5188, 0.3910

Background



This preview shows how black text looks on a background with the Yxy color 14.7868, 0.5188, 0.3910.



This preview shows how white text looks on a background with the Yxy color 14.7868, 0.5188, 0.3910.

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

14.7868, 0.5188, 0.3910

Protanopia

14.8854, 0.4129, 0.4543

Deuteranopia

14.8257, 0.4559, 0.4468



Tritanopia

14.7781, 0.4571, 0.3221

Trichromacy



Original Color

14.7868, 0.5188, 0.3910

Protanomaly

14.3885, 0.4530, 0.4304

Deuteranomaly

14.5792, 0.4816, 0.4242

Tritanomaly

14.7132, 0.4839, 0.3509

Monochromacy



Original Color

14.7868, 0.5188, 0.3910

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.6259, 0.3868, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7868, 0.5188, 0.3910 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(168, 84, 35)` looks like.

```
.text, #text, p{  
    color:rgb(168, 84, 35)  
}
```

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(168, 84, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 84, 35) }
```

Border

The CSS property to change the border of an element to Yxy 14.7868, 0.5188, 0.3910 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(168, 84, 35) }
```

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

```
.border{ border-color:rgb(168, 84, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 84, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 84, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 84, 35);  
box-shadow:4px 4px 4px 4px rgb(168, 84,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7868, 0.5188, 0.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 84, 35) }
```

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

```
.background{ background-color: rgb(168, 84,  
35) }
```

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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