

Converting Colors

$Y_{xy}(14.9463, 0.5196, 0.3605)$

Have a look what the booklet for
Yxy(14.9463, 0.5196, 0.3605)
contains.

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Color

Yxy(15.0207, 0.5193, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	B24D34
RGB	178, 77, 52
RGB Percent	70%, 30%, 20%
CMY	0.3019, 0.6981, 0.7961
CMYK	0.00, 0.57, 0.71, 0.30
HSL	12°, 55%, 45%
HSV	12°, 71%, 70%
XYZ	21.6373, 15.0207, 5.0083
YIQ	104.3490, 68.2210, 13.6370

Conversions

Conversions Part 2

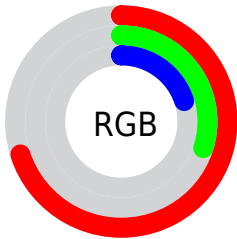
Format	Color
R _Y B	178, 83, 52
Decimal	11685172
CIE Lab	45.66, 39.51, 34.66
CIE LCh	46, 52.556, 41.254
Yxy	15.0207, 0.5193, 0.3605
Android (android.graphics.Color)	4289875252 (0xFFB24D34)
YUV	104.3490, -25.8081, 64.5919
Hunter-Lab	38.7565, 31.8304, 19.4679

Details

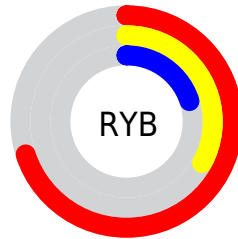
The Yxy color **15.0207, 0.5193, 0.3605** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **26.7396, 0.2223, 0.2851**, and the grayscale version is **13.9986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9713, 0.4711, 0.3601**, and **4.6325, 0.6010, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **13.1077, 0.5593, 0.3590**, and if you desaturate by 10%, it is **17.4341, 0.4783, 0.3590**.

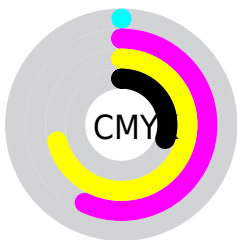
Distribution



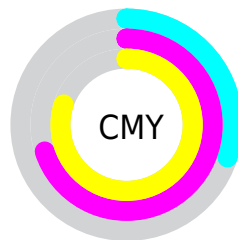
- Red (70%)
- Green (30%)
- Blue (20%)



- Red (70%)
- Yellow (33%)
- Blue (20%)



- Cyan (0%)
- Magenta (57%)
- Yellow (71%)
- Black (30%)




- Cyan (30%)
- Magenta (70%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0207, 0.5193, 0.3605 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 15.0207, 0.5193, 0.3605 by changing the saturation by 10% instead.


 15.0207, 0.5193,
0.3605


 15.0207, 0.5193,
0.3605


223.4915, 0.3985,
0.3516


 8.8339, 0.5541,
0.3572


 34.8895, 0.4714,
0.3605


 4.6330, 0.6012,
0.3483

 49.3403, 0.4545,
0.3593


 2.0336, 0.6708,
0.3292

 67.3145, 0.4408,
0.3579

 0.6269, 0.7400,
0.2600

 89.1966, 0.4294,
0.3566

 0.0000, 1.0000,
0.0000

 115.3710, 0.4198,
0.3552

 0.0000, 0.0000,
0.0000

 146.2220, 0.4117,

0.3539

182.1340, 0.4046,
0.3527

■ 15.0207, 0.5193,
0.3605

■ 15.0207, 0.5193,
0.3605

■ 13.1077, 0.5593,
0.3590

■ 17.4341, 0.4783,
0.3590

■ 11.6563, 0.5935,
0.3541

■ 20.3778, 0.4397,
0.3553

■ 10.6867, 0.6176,
0.3478

■ 23.8822, 0.4055,
0.3505

■ 27.9749, 0.3761,
0.3451

■ 32.6813, 0.3514,
0.3396

■ 38.0254, 0.3309,
0.3343

■ 44.0301, 0.3139,
0.3294

■ 50.7169, 0.2998,
0.3248

■ 58.1065, 0.2881,
0.3206

Harmonies

Analogous

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



15.0207, 0.4729, 0.2923



15.0207, 0.5193, 0.3605



15.0207, 0.4956, 0.4334

Triad

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



15.0207, 0.5193, 0.3605



15.0207, 0.2364, 0.4633



15.0207, 0.1892, 0.1776

Complementary

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



15.0207, 0.5193, 0.3605



26.7396, 0.2223, 0.2851

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.



15.0207, 0.1494, 0.1914



15.0207, 0.5193, 0.3605



15.0207, 0.1697, 0.3409

Square

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



15.0207, 0.5193, 0.3605



15.0207, 0.3298, 0.5277



15.0207, 0.1422, 0.2424



15.0207, 0.2649, 0.1929

Rectangle

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



15.0207, 0.5193, 0.3605



15.0207, 0.4513, 0.4810



15.0207, 0.1422, 0.2424



15.0207, 0.1721, 0.1787

Sweetspot

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



15.0215, 0.5193, 0.3605



58.7278, 0.3527, 0.3399



14.2876, 0.3533, 0.1980



12.4748, 0.3591, 0.3414



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



15.0215, 0.5193, 0.3605



22.1703, 0.5797, 0.3566



27.9253, 0.4446, 0.4420



8.7691, 0.3282, 0.3336



7.7178, 0.6158, 0.3492



0.3228, 0.5650, 0.3896

Inverse Universe

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



26.7396, 0.2223, 0.2851



44.2985, 0.2122, 0.2739



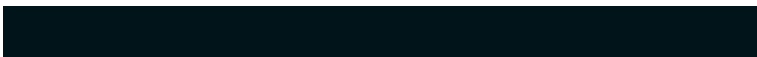
11.5841, 0.1937, 0.1691



9.3396, 0.2986, 0.3244



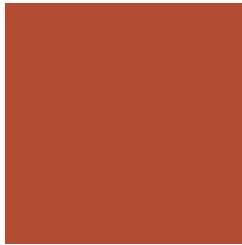
16.3832, 0.2070, 0.2651



0.5885, 0.2125, 0.2848

Previews

White Background



This preview shows how the Yxy color 15.0207, 0.5193, 0.3605 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 15.0207, 0.5193, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

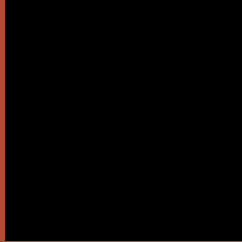
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.0207, 0.5193, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 15.0207, 0.5193, 0.3605.



This preview shows how white text looks on a background with the Yxy color 15.0207, 0.5193, 0.3605.

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

15.0207, 0.5193, 0.3605

Protanopia

15.2181, 0.3871, 0.4216

Deuteranopia

15.0486, 0.4373, 0.4292



Tritanopia

15.0313, 0.4833, 0.3241

Trichromacy



Original Color

15.0207, 0.5193, 0.3605

Protanomaly

14.4406, 0.4361, 0.3966

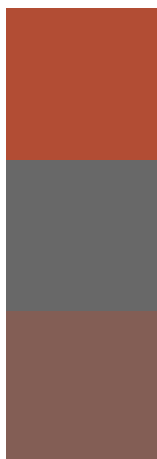
Deuteranomaly

14.7981, 0.4696, 0.4017

Tritanomaly

15.0455, 0.4974, 0.3374

Monochromacy



Original Color

15.0207, 0.5193, 0.3605

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.4866, 0.3857, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0207, 0.5193, 0.3605 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(178, 77, 52)` looks like.

```
.text, #text, p{  
    color:rgb(178, 77, 52)  
}
```

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(178, 77, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 77, 52) }
```

Border

The CSS property to change the border of an element to Yxy 15.0207, 0.5193, 0.3605 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(178, 77, 52) }
```

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

```
.border{ border-color:rgb(178, 77, 52) }
```

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

Here you see how a box with a 4 pixel rgb(178, 77, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 77, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 77, 52);  
box-shadow:4px 4px 4px 4px rgb(178, 77,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0207, 0.5193, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 77, 52) }
```

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

```
.background{ background-color: rgb(178, 77,  
52) }
```

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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