

Converting Colors

$Yxy(15.8568, 0.3549, 0.2098)$

Have a look what the booklet for
Yxy(15.8568, 0.3549, 0.2098)
contains.

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Color

Yxy(15.8908, 0.3544, 0.2094)

Conversions

Conversions Part 1

Format	Color
Hex	B5409C
RGB	181, 64, 156
RGB Percent	71%, 25%, 61%
CMY	0.2901, 0.7491, 0.3882
CMYK	0.00, 0.65, 0.14, 0.29
HSL	313°, 48%, 48%
HSV	313°, 65%, 71%
XYZ	26.8945, 15.8908, 33.1020
YIQ	109.4710, 40.2000, 53.4160

Conversions

Conversions Part 2

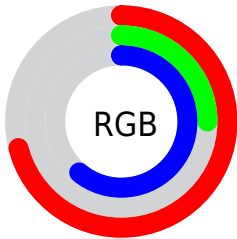
Format	Color
R_{YB}	181, 64, 156
Decimal	11878556
CIE _{Lab}	46.83, 57.43, -26.15
CIE _{LCh}	47, 63.106, 335.518
Yxy	15.8908, 0.3544, 0.2094
Android (android.graphics.Color)	4290068636 (0xFFB5409C)
YUV	109.4710, 22.9388, 62.7309
Hunter-Lab	39.8633, 50.6675, -21.3295

Details

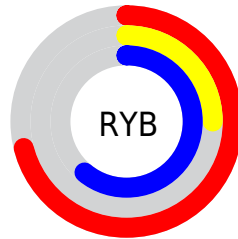
The Yxy color **15.8908, 0.3544, 0.2094** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **34.8687, 0.2903, 0.4952**, and the grayscale version is **15.3569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2475, 0.3459, 0.2324**, and **5.3595, 0.3668, 0.1794** is the 20% darker color. If you saturate the color by 10%, you get **14.0424, 0.3628, 0.1981**, and if you desaturate by 10%, it is **18.4073, 0.3462, 0.2243**.

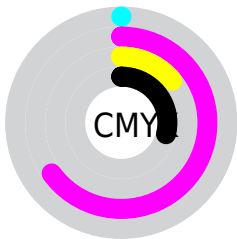
Distribution



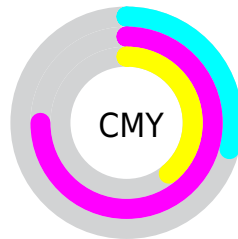
- Red (71%)
- Green (25%)
- Blue (61%)



- Red (71%)
- Yellow (25%)
- Blue (61%)



- Cyan (0%)
- Magenta (65%)
- Yellow (14%)
- Black (29%)





- Cyan (29%)
- Magenta (75%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8908, 0.3544, 0.2094 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 15.8908, 0.3544, 0.2094 by changing the saturation by 10% instead.


 15.8908, 0.3544,
0.2094


 15.8908, 0.3544,
0.2094


228.6965, 0.3330,
0.2727


 9.4469, 0.3597,
0.1928


 36.4085, 0.3466,
0.2331


 5.0338, 0.3664,
0.1711


 51.2512, 0.3437,
0.2418


 2.2671, 0.3749,
0.1420


 69.6622, 0.3412,
0.2491

 0.7562, 0.3857,
0.1013

 92.0259, 0.3391,
0.2552

 0.0000, 0.4157,
0.0000

 118.7268, 0.3372,
0.2605

 0.0000, 0.0635,
0.0000

150.1493, 0.3357,

 0.0000, 0.0000,

0.2651

0.0000

186.6777, 0.3343,
0.2691

■ 15.8908, 0.3544,
0.2094

■ 15.8908, 0.3544,
0.2094

■ 14.0424, 0.3628,
0.1981

■ 18.4073, 0.3462,
0.2243

■ 12.7930, 0.3712,
0.1912

■ 21.6475, 0.3385,
0.2418

■ 12.0623, 0.3793,
0.1888

■ 25.6640, 0.3315,
0.2609

■ 11.7895, 0.3836,
0.1887

■ 30.5037, 0.3252,
0.2808

■ 36.2097, 0.3196,
0.3008

■ 42.8223, 0.3147,
0.3202

■ 50.3792, 0.3106,
0.3388

■ 58.9157, 0.3070,
0.3562

■ 68.4657, 0.3040,
0.3725

Harmonies

Analogous

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



15.8908, 0.2366, 0.1701



15.8908, 0.3544, 0.2094



15.8908, 0.4812, 0.2708

Triad

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



15.8908, 0.3544, 0.2094



15.8908, 0.4510, 0.5079



15.8908, 0.1229, 0.2429

Complementary

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



15.8908, 0.3544, 0.2094



34.8687, 0.2903, 0.4952

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.



15.8908, 0.1587, 0.3686



15.8908, 0.3544, 0.2094



15.8908, 0.3466, 0.5641

Square

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



15.8908, 0.3544, 0.2094



15.8908, 0.5297, 0.4226



15.8908, 0.2396, 0.5154



15.8908, 0.1251, 0.1785

Rectangle

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



15.8908, 0.3544, 0.2094



15.8908, 0.5362, 0.3182



15.8908, 0.2396, 0.5154



15.8908, 0.1300, 0.2778

Sweetspot

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



15.8916, 0.3544, 0.2094



59.8724, 0.3221, 0.2915



9.0467, 0.2082, 0.1332



12.3288, 0.3237, 0.2859



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.



15.8916, 0.3544, 0.2094



23.9773, 0.3667, 0.1943



14.3939, 0.4546, 0.2826



8.6150, 0.3169, 0.3113



8.1354, 0.3826, 0.1881



0.2638, 0.3624, 0.1770

Inverse Universe

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



15.8916, 0.3544, 0.2094



23.9773, 0.3667, 0.1943



36.2200, 0.2563, 0.3897



8.6150, 0.3169, 0.3113



8.1354, 0.3826, 0.1881



0.2638, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 15.8908, 0.3544, 0.2094 looks on a white background.

Color Contrast Check

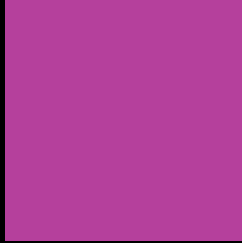
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8908, 0.3544, 0.2094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

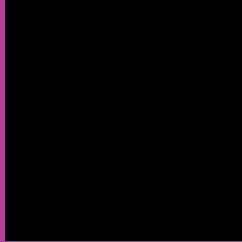
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8908, 0.3544, 0.2094

Background



This preview shows how black text looks on a background with the Yxy color 15.8908, 0.3544, 0.2094.



This preview shows how white text looks on a background with the Yxy color 15.8908, 0.3544, 0.2094.

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

15.8908, 0.3544, 0.2094

Protanopia

16.2434, 0.2064, 0.1871

Deuteranopia

16.1466, 0.2603, 0.2550



Tritanopia

15.8898, 0.4523, 0.3222

Trichromacy



Original Color

15.8908, 0.3544, 0.2094



Protanomaly

14.6347, 0.2412, 0.1862



Deuteranomaly

14.9210, 0.2894, 0.2280



Tritanomaly

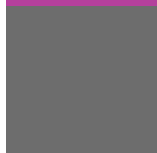
15.7082, 0.4171, 0.2765

Monochromacy



Original Color

15.8908, 0.3544, 0.2094



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.4860, 0.3287, 0.2695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8908, 0.3544, 0.2094 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(181, 64, 156)` looks like.

```
.text, #text, p{  
    color:rgb(181, 64, 156)  
}
```

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(181, 64, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 64, 156) }
```

Border

The CSS property to change the border of an element to Yxy 15.8908, 0.3544, 0.2094 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(181, 64, 156) }
```

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

```
.border{ border-color:rgb(181, 64, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 64, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 64, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 64, 156);  
box-shadow:4px 4px 4px 4px rgb(181, 64,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8908, 0.3544, 0.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 64, 156) }
```

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

```
.background{ background-color: rgb(181, 64,  
156) }
```

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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