

Converting Colors

$Y_{xy}(11.9731, 0.3261, 0.2052)$

Have a look what the booklet for
Yxy(11.9731, 0.3261, 0.2052)
contains.

Yxy(11.9459, 0.3263, 0.2051)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.9459, 0.3263, 0.2051)

Conversions

Conversions Part 1

Format	Color
Hex	94408F
RGB	148, 64, 143
RGB Percent	58%, 25%, 56%
CMY	0.4196, 0.7490, 0.4392
CMYK	0.00, 0.57, 0.03, 0.42
HSL	304°, 40%, 42%
HSV	304°, 57%, 58%
XYZ	19.0051, 11.9459, 27.2933
YIQ	98.1220, 24.7050, 42.3770

Conversions

Conversions Part 2

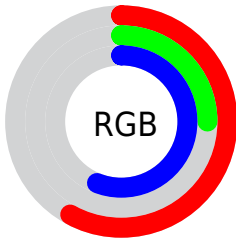
Format	Color
R _{YB}	148, 64, 143
Decimal	9715855
CIE Lab	41.13, 46.13, -27.60
CIE LCh	41, 53.758, 329.104
Yxy	11.9459, 0.3263, 0.2051
Android (android.graphics.Color)	4287905935 (0xFF94408F)
YUV	98.1220, 22.1249, 43.7430
Hunter-Lab	34.5628, 37.6670, -22.6256

Details

The Yxy color **11.9459, 0.3263, 0.2051** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **22.7012, 0.3011, 0.4960**, and the grayscale version is **12.1856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3594, 0.3249, 0.2314**, and **3.2924, 0.3282, 0.1614** is the 20% darker color. If you saturate the color by 10%, you get **10.4664, 0.3289, 0.1890**, and if you desaturate by 10%, it is **13.8697, 0.3237, 0.2242**.

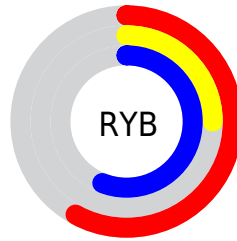
Distribution



Red (58%)

Green (25%)

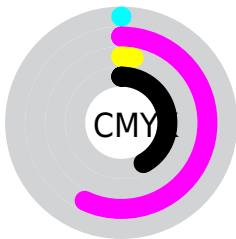
Blue (56%)



Red (58%)

Yellow (25%)

Blue (56%)

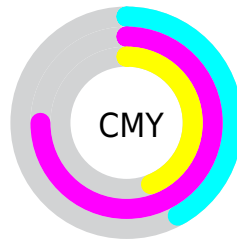


Cyan (0%)

Magenta (57%)

Yellow (3%)

Black (42%)



Cyan (42%)

Magenta (75%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9459, 0.3263, 0.2051 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 11.9459, 0.3263, 0.2051 by changing the saturation by 10% instead.


 11.9459, 0.3263,
0.2051


 11.9459, 0.3263,
0.2051


204.0468, 0.3208,
0.2734


 6.7068, 0.3268,
0.1861


 29.3965, 0.3248,
0.2314

 3.2795, 0.3265,
0.1607


 42.3769, 0.3241,
0.2409


 1.2793, 0.3240,
0.1257

 58.7065, 0.3234,
0.2487

 0.1251, 0.3301,
0.0315

 78.7697, 0.3228,
0.2552

 0.0000, 0.1830,
0.0000

 102.9510, 0.3222,
0.2608

 0.0000, 0.0000,
0.0000

131.6347, 0.3217,

0.2656

165.2051, 0.3212,
0.2697

■ 11.9459, 0.3263,
0.2051

■ 11.9459, 0.3263,
0.2051

■ 10.4664, 0.3289,
0.1890

■ 13.8697, 0.3237,
0.2242

■ 9.3937, 0.3313,
0.1766

■ 16.2680, 0.3211,
0.2455

■ 8.6869, 0.3335,
0.1683

■ 19.1706, 0.3186,
0.2681

■ 8.2788, 0.3355,
0.1638

■ 22.6041, 0.3162,
0.2912

■ 8.1663, 0.3361,
0.1625

■ 26.5933, 0.3141,
0.3140

■ 31.1615, 0.3121,
0.3360

■ 36.3306, 0.3103,
0.3570

■ 42.1214, 0.3088,
0.3766

■ 48.5537, 0.3074,
0.3948

Harmonies

Analogous

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



11.9459, 0.2221, 0.1726



11.9459, 0.3263, 0.2051



11.9459, 0.4481, 0.2607

Triad

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



11.9459, 0.3263, 0.2051



11.9459, 0.4656, 0.4849



11.9459, 0.1358, 0.2695

Complementary

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



11.9459, 0.3263, 0.2051



22.7012, 0.3011, 0.4960

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.



11.9459, 0.1805, 0.3976



11.9459, 0.3263, 0.2051



11.9459, 0.3699, 0.5451

Square

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



11.9459, 0.3263, 0.2051



11.9459, 0.5291, 0.4047



11.9459, 0.2662, 0.5219



11.9459, 0.1301, 0.1956

Rectangle

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



11.9459, 0.3263, 0.2051



11.9459, 0.5099, 0.3056



11.9459, 0.2662, 0.5219



11.9459, 0.1459, 0.3069

Sweetspot

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



11.9464, 0.3263, 0.2051



39.5027, 0.3164, 0.2898



7.0411, 0.2105, 0.1548



8.7566, 0.3168, 0.2857



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



11.9464, 0.3263, 0.2051



17.9079, 0.3295, 0.1854



10.9185, 0.3998, 0.2656



5.9033, 0.3146, 0.3085



6.9762, 0.3360, 0.1625



0.0868, 0.3278, 0.1579

Inverse Universe

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



11.9464, 0.3263, 0.2051



17.9079, 0.3295, 0.1854



23.4017, 0.2704, 0.4074



5.9033, 0.3146, 0.3085



6.9762, 0.3360, 0.1625



0.0868, 0.3278, 0.1579

Previews

White Background



This preview shows how the Yxy color 11.9459, 0.3263, 0.2051 looks on a white background.

Color Contrast Check

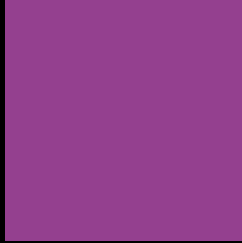
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9459, 0.3263, 0.2051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

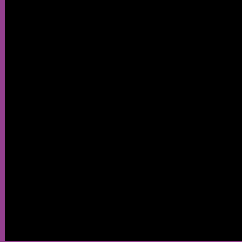
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9459, 0.3263, 0.2051

Background



This preview shows how black text looks on a background with the Yxy color 11.9459, 0.3263, 0.2051.



This preview shows how white text looks on a background with the Yxy color 11.9459, 0.3263, 0.2051.

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

11.9459, 0.3263, 0.2051

Protanopia

12.1767, 0.2061, 0.1864

Deuteranopia

12.1945, 0.2475, 0.2443



Tritanopia

11.9106, 0.4122, 0.3184

Trichromacy



Original Color

11.9459, 0.3263, 0.2051

Protanomaly

11.3116, 0.2363, 0.1878

Deuteranomaly

11.4869, 0.2720, 0.2236

Tritanomaly

11.8675, 0.3807, 0.2730

Monochromacy



Original Color

11.9459, 0.3263, 0.2051

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.5835, 0.3186, 0.2720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9459, 0.3263, 0.2051 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(148, 64, 143)` looks like.

```
.text, #text, p{  
    color:rgb(148, 64, 143)  
}
```

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(148, 64, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 64, 143) }
```

Border

The CSS property to change the border of an element to Yxy 11.9459, 0.3263, 0.2051 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(148, 64, 143) }
```

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

```
.border{ border-color:rgb(148, 64, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 64, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 64, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 64, 143);  
box-shadow:4px 4px 4px 4px rgb(148, 64,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9459, 0.3263, 0.2051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 64, 143) }
```

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

```
.background{ background-color: rgb(148, 64,  
143) }
```

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