

Converting Colors

$Yxy(19.5454, 0.3092, 0.2143)$

Have a look what the booklet for
Yxy(19.5454, 0.3092, 0.2143)
contains.

Yxy(19.5750, 0.3094, 0.2148)	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(19.5750, 0.3094, 0.2148)

Conversions

Conversions Part 1

Format	Color
Hex	A95EB0
RGB	169, 94, 176
RGB Percent	66%, 37%, 69%
CMY	0.3374, 0.6313, 0.3098
CMYK	0.04, 0.47, 0.00, 0.31
HSL	295°, 34%, 53%
HSV	295°, 47%, 69%
XYZ	28.1960, 19.5750, 43.3603
YIQ	125.7730, 18.3780, 41.4020

Conversions

Conversions Part 2

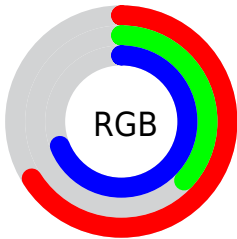
Format	Color
R_{YB}	169, 94, 176
Decimal	11099824
CIE _{Lab}	51.35, 43.15, -31.02
CIE _{LCh}	51, 53.142, 324.292
Yxy	19.5750, 0.3094, 0.2148
Android (android.graphics.Color)	4289289904 (0xFFA95EB0)
YUV	125.7730, 24.7619, 37.9101
Hunter-Lab	44.2436, 36.3298, -27.1357

Details

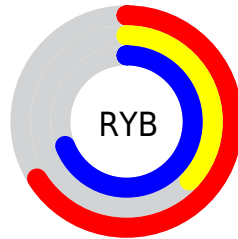
The Yxy color **19.5750, 0.3094, 0.2148** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.6236, 0.3113, 0.4704**, and the grayscale version is **20.6942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8624, 0.3116, 0.2370**, and **6.8027, 0.3048, 0.1802** is the 20% darker color. If you saturate the color by 10%, you get **16.6283, 0.3080, 0.1934**, and if you desaturate by 10%, it is **23.2390, 0.3106, 0.2384**.

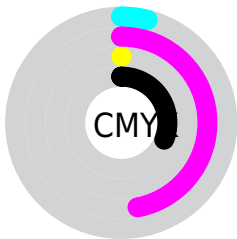
Distribution



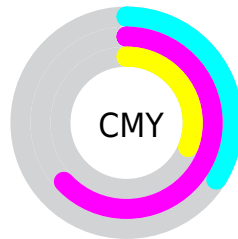
- Red (66%)
- Green (37%)
- Blue (69%)



- Red (66%)
- Yellow (37%)
- Blue (69%)



- Cyan (4%)
- Magenta (47%)
- Yellow (0%)
- Black (31%)




- Cyan (34%)
- Magenta (63%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5750, 0.3094, 0.2148 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 19.5750, 0.3094, 0.2148 by changing the saturation by 10% instead.


 19.5750, 0.3094,
0.2148


 19.5750, 0.3094,
0.2148


249.6050, 0.3133,
0.2740


 12.0865, 0.3075,
0.1997


 42.7035, 0.3115,
0.2366

 6.8026, 0.3044,
0.1802

 59.1122, 0.3120,
0.2448

 3.3390, 0.2991,
0.1543


 79.2632, 0.3124,
0.2516

 1.3112, 0.2890,
0.1193

 103.5408, 0.3127,
0.2574

 0.1498, 0.2787,
0.0335

132.3293, 0.3129,
0.2624

 0.0000, 0.1122,
0.0000

166.0133, 0.3131,

 0.0000, 0.0000,

0.2667

0.0000

204.9770, 0.3132,
0.2706

■ 19.5750, 0.3094,
0.2148

■ 19.5750, 0.3094,
0.2148

■ 16.6283, 0.3080,
0.1934

■ 23.2390, 0.3106,
0.2384

■ 14.3470, 0.3063,
0.1750

■ 27.6621, 0.3115,
0.2633

■ 12.6768, 0.3044,
0.1605

■ 32.8861, 0.3121,
0.2884

■ 11.5534, 0.3024,
0.1503

■ 38.9490, 0.3125,
0.3132

■ 10.8882, 0.3003,
0.1441

■ 45.8863, 0.3128,
0.3370

■ 10.7036, 0.2996,
0.1424

■ 53.7316, 0.3129,
0.3595

■ 62.5164, 0.3128,
0.3804

■ 72.2710, 0.3127,
0.3996

■ 83.0243, 0.3125,
0.4171

Harmonies

Analogous

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



19.5750, 0.2238, 0.1894



19.5750, 0.3094, 0.2148



19.5750, 0.4116, 0.2622

Triad

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



19.5750, 0.3094, 0.2148



19.5750, 0.4604, 0.4589



19.5750, 0.1628, 0.2962

Complementary

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



19.5750, 0.3094, 0.2148



34.6236, 0.3113, 0.4704

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.



19.5750, 0.2108, 0.4054



19.5750, 0.3094, 0.2148



19.5750, 0.3820, 0.5083

Square

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



19.5750, 0.3094, 0.2148



19.5750, 0.5036, 0.3908



19.5750, 0.2911, 0.4962



19.5750, 0.1509, 0.2229

Rectangle

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



19.5750, 0.3094, 0.2148



19.5750, 0.4685, 0.3020



19.5750, 0.2911, 0.4962



19.5750, 0.1746, 0.3300

Sweetspot

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



19.5759, 0.3094, 0.2148



62.0762, 0.3122, 0.2943



15.0611, 0.2286, 0.1999



12.9763, 0.3121, 0.2890



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



19.5759, 0.3094, 0.2148



29.9714, 0.3079, 0.1926



19.2277, 0.3610, 0.2582



8.6090, 0.3124, 0.3065



7.8672, 0.2998, 0.1425



0.2583, 0.3061, 0.1460

Inverse Universe

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



18.1787, 0.4257, 0.3190



27.2132, 0.4672, 0.3174



34.9544, 0.2838, 0.4141



8.5167, 0.3274, 0.3271



6.8016, 0.6287, 0.3237



0.2179, 0.5862, 0.3003

Previews

White Background



This preview shows how the Yxy color 19.5750, 0.3094, 0.2148 looks on a white background.

Color Contrast Check

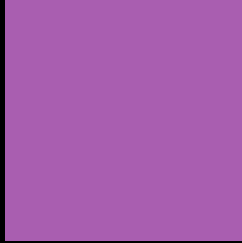
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.5750, 0.3094, 0.2148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

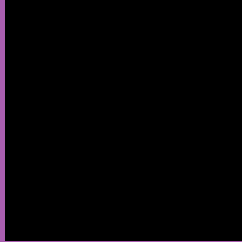
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5750, 0.3094, 0.2148

Background



This preview shows how black text looks on a background with the Yxy color 19.5750, 0.3094, 0.2148.



This preview shows how white text looks on a background with the Yxy color 19.5750, 0.3094, 0.2148.

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

19.5750, 0.3094, 0.2148

Protanopia

19.7855, 0.2193, 0.2035

Deuteranopia

19.6792, 0.2483, 0.2427



Tritanopia

19.5631, 0.3753, 0.3163

Trichromacy



Original Color

19.5750, 0.3094, 0.2148

Protanomaly

19.0797, 0.2443, 0.2051

Deuteranomaly

19.0531, 0.2672, 0.2285

Tritanomaly

19.4280, 0.3502, 0.2749

Monochromacy



Original Color

19.5750, 0.3094, 0.2148

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

19.7990, 0.3126, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5750, 0.3094, 0.2148 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(169, 94, 176)` looks like.

```
.text, #text, p{  
    color:rgb(169, 94, 176)  
}
```

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(169, 94, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 94, 176) }
```

Border

The CSS property to change the border of an element to Yxy 19.5750, 0.3094, 0.2148 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(169, 94, 176) }
```

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

```
.border{ border-color:rgb(169, 94, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 94, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 94, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 94, 176);  
box-shadow:4px 4px 4px 4px rgb(169, 94,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5750, 0.3094, 0.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 94, 176) }
```

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

```
.background{ background-color: rgb(169, 94,  
176) }
```

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