

Converting Colors

$Y_{xy}(20.0495, 0.3034, 0.2198)$

Have a look what the booklet for
Yxy(20.0495, 0.3034, 0.2198)
contains.

Yxy(19.9508, 0.3033, 0.2192)	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(19.9508, 0.3033, 0.2192)

Conversions

Conversions Part 1

Format	Color
Hex	A463B0
RGB	164, 99, 176
RGB Percent	64%, 39%, 69%
CMY	0.3569, 0.6117, 0.3099
CMYK	0.07, 0.44, 0.00, 0.31
HSL	291°, 33%, 54%
HSV	291°, 44%, 69%
XYZ	27.6053, 19.9508, 43.4603
YIQ	127.2130, 14.0230, 37.7270

Conversions

Conversions Part 2

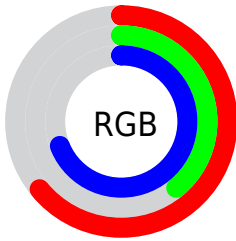
Format	Color
RYB	164, 99, 176
Decimal	10773424
CIELab	51.78, 38.96, -30.39
CIELCh	52, 49.412, 322.043
Yxy	19.9508, 0.3033, 0.2192
Android (android.graphics.Color)	4288963504 (0xFFA463B0)
YUV	127.2130, 24.0520, 32.2622
Hunter-Lab	44.6663, 32.1529, -26.4228

Details

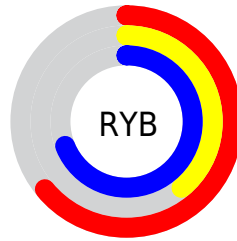
The Yxy color **19.9508, 0.3033, 0.2192** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.3241, 0.3160, 0.4588**, and the grayscale version is **21.2134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1751, 0.3062, 0.2397**, and **6.9417, 0.2958, 0.1849** is the 20% darker color. If you saturate the color by 10%, you get **16.6837, 0.3000, 0.1959**, and if you desaturate by 10%, it is **23.9525, 0.3062, 0.2442**.

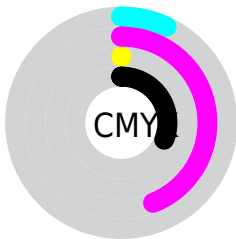
Distribution



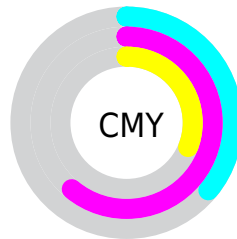
- Red (64%)
- Green (39%)
- Blue (69%)



- Red (64%)
- Yellow (39%)
- Blue (69%)



- Cyan (7%)
- Magenta (44%)
- Yellow (0%)
- Black (31%)




- Cyan (36%)
- Magenta (61%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9508, 0.3033, 0.2192 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 19.9508, 0.3033, 0.2192 by changing the saturation by 10% instead.


 19.9508, 0.3033,
0.2192


 19.9508, 0.3033,
0.2192


251.6486, 0.3104,
0.2763


 12.3593, 0.3006,
0.2045


 43.3347, 0.3065,
0.2403


 6.9889, 0.2965,
0.1855


 59.8958, 0.3075,
0.2482

 3.4551, 0.2897,
0.1602


 80.2157, 0.3083,
0.2548

 1.3737, 0.2777,
0.1255

 104.6786, 0.3089,
0.2603

 0.1972, 0.2629,
0.0441

133.6689, 0.3094,
0.2652

 0.0000, 0.0701,
0.0000

167.5711, 0.3098,

 0.0000, 0.0000,

0.2694

0.0000

206.7696, 0.3101,
0.2730

■ 19.9508, 0.3033,
0.2192

■ 19.9508, 0.3033,
0.2192

■ 16.6837, 0.3000,
0.1959

■ 23.9525, 0.3062,
0.2442

■ 14.1009, 0.2964,
0.1752

■ 28.7295, 0.3086,
0.2699

■ 12.1498, 0.2926,
0.1581


■ 34.3229, 0.3106,
0.2954


■ 10.7691, 0.2885,
0.1452

■ 40.7699, 0.3122,
0.3201

■ 9.8850, 0.2845,
0.1366

■ 48.1053, 0.3135,
0.3435

 9.4830, 0.2820,
0.1327

 56.3623, 0.3144,
0.3654

 65.5721, 0.3151,
0.3856

 75.7645, 0.3156,
0.4041

 85.4296, 0.3160,
0.4186

Harmonies

Analogous

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



19.9508, 0.2251, 0.1969



19.9508, 0.3033, 0.2192



19.9508, 0.3976, 0.2629

Triad

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



19.9508, 0.3033, 0.2192



19.9508, 0.4563, 0.4479



19.9508, 0.1746, 0.3064

Complementary

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



19.9508, 0.3033, 0.2192



35.3241, 0.3160, 0.4588

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.



19.9508, 0.2232, 0.4070



19.9508, 0.3033, 0.2192



19.9508, 0.3854, 0.4937

Square

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



19.9508, 0.3033, 0.2192



19.9508, 0.4916, 0.3844



19.9508, 0.3004, 0.4855



19.9508, 0.1603, 0.2345

Rectangle

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



19.9508, 0.3033, 0.2192



19.9508, 0.4518, 0.3003



19.9508, 0.3004, 0.4855



19.9508, 0.1869, 0.3383

Sweetspot

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



19.9517, 0.3033, 0.2192



62.8226, 0.3107, 0.2967



17.3405, 0.2359, 0.2181



13.1067, 0.3103, 0.2912



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.



19.9517, 0.3033, 0.2192



30.7073, 0.3003, 0.1977



20.3666, 0.3499, 0.2555



8.5784, 0.3114, 0.3064



6.9802, 0.2824, 0.1329



0.2376, 0.2938, 0.1392

Inverse Universe

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



19.3018, 0.4072, 0.3115



29.5051, 0.4391, 0.3084



35.1690, 0.2888, 0.4171



8.5261, 0.3263, 0.3255



6.8376, 0.6154, 0.3164



0.2218, 0.5502, 0.2805

Previews

White Background



This preview shows how the Yxy color 19.9508, 0.3033, 0.2192 looks on a white background.

Color Contrast Check

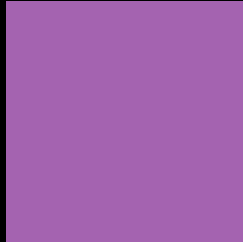
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9508, 0.3033, 0.2192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

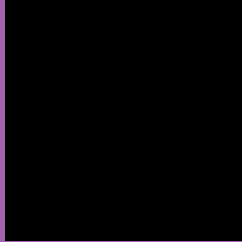
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9508, 0.3033, 0.2192

Background



This preview shows how black text looks on a background with the Yxy color 19.9508, 0.3033, 0.2192.



This preview shows how white text looks on a background with the Yxy color 19.9508, 0.3033, 0.2192.

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

19.9508, 0.3033, 0.2192

Protanopia

20.1563, 0.2248, 0.2096

Deuteranopia

20.0858, 0.2496, 0.2435



Tritanopia

20.0123, 0.3615, 0.3160

Trichromacy



Original Color

19.9508, 0.3033, 0.2192

Protanomaly

19.5060, 0.2472, 0.2109

Deuteranomaly

19.6410, 0.2666, 0.2331

Tritanomaly

19.7798, 0.3401, 0.2770

Monochromacy



Original Color

19.9508, 0.3033, 0.2192

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.3424, 0.3088, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9508, 0.3033, 0.2192 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(164, 99, 176)` looks like.

```
.text, #text, p{  
    color:rgb(164, 99, 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(164, 99, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 99, 176) }
```

Border

The CSS property to change the border of an element to Yxy 19.9508, 0.3033, 0.2192 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(164, 99, 176) }
```

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

```
.border{ border-color:rgb(164, 99, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 99, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 99, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 99, 176);  
box-shadow:4px 4px 4px 4px rgb(164, 99,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9508, 0.3033, 0.2192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 99, 176) }
```

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

```
.background{ background-color: rgb(164, 99,  
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