

Converting Colors

$Y_{xy}(19.9477, 0.3361, 0.2575)$

Have a look what the booklet for
Yxy(19.9477, 0.3361, 0.2575)
contains.

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Color

Yxy(20.0095, 0.3368, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	A66796
RGB	166, 103, 150
RGB Percent	65%, 40%, 59%
CMY	0.3491, 0.5961, 0.4117
CMYK	0.00, 0.38, 0.10, 0.35
HSL	315°, 26%, 53%
HSV	315°, 38%, 65%
XYZ	26.0805, 20.0095, 31.3462
YIQ	127.1950, 22.4610, 27.9730

Conversions

Conversions Part 2

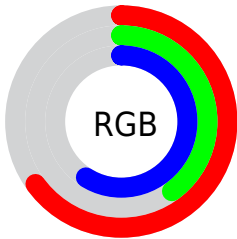
Format	Color
R_{YB}	166, 103, 150
Decimal	10905494
CIE _{Lab}	51.85, 32.46, -15.08
CIE _{LCh}	52, 35.794, 335.082
Yxy	20.0095, 0.3368, 0.2584
Android (android.graphics.Color)	4289095574 (0xFFA66796)
YUV	127.1950, 11.2429, 34.0320
Hunter-Lab	44.7320, 25.7915, -10.2354

Details

The Yxy color $20.0095, 0.3368, 0.2584$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.4852, 0.2953, 0.4122$, and the grayscale version is $21.2495, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.3319, 0.3322, 0.2729$, and $7.0499, 0.3455, 0.2346$ is the 20% darker color. If you saturate the color by 10%, you get $16.8961, 0.3453, 0.2405$, and if you desaturate by 10%, it is $23.7851, 0.3292, 0.2772$.

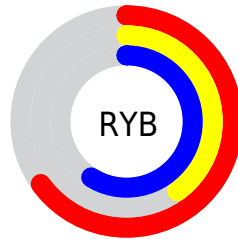
Distribution



Red (65%)

Green (40%)

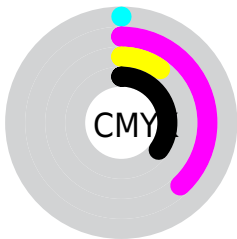
Blue (59%)



Red (65%)

Yellow (40%)

Blue (59%)

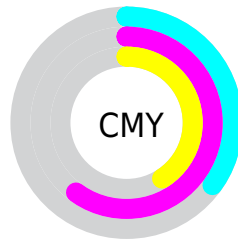


Cyan (0%)

Magenta (38%)

Yellow (10%)

Black (35%)



Cyan (35%)


Magenta (60%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0095, 0.3368, 0.2584 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 20.0095, 0.3368, 0.2584 by changing the saturation by 10% instead.


 20.0095, 0.3368,
0.2584


 20.0095, 0.3368,
0.2584


251.9665, 0.3241,
0.2965


 12.4019, 0.3402,
0.2479


 43.4331, 0.3320,
0.2729


 7.0180, 0.3447,
0.2339


 60.0180, 0.3303,
0.2782

 3.4734, 0.3508,
0.2141

 80.3640, 0.3288,
0.2825

 1.3836, 0.3596,
0.1845

 104.8557, 0.3276,
0.2862

 0.2046, 0.3962,
0.0814

133.8774, 0.3265,
0.2893

 0.0000, 0.0000,
0.0000

167.8135, 0.3256,

0.2920

207.0484, 0.3248,
0.2944

■ 20.0095, 0.3368,
0.2584

■ 20.0095, 0.3368,
0.2584

■ 16.8961, 0.3453,
0.2405

■ 23.7851, 0.3292,
0.2772

■ 14.4032, 0.3546,
0.2245

■ 28.2560, 0.3225,
0.2962

■ 12.4884, 0.3645,
0.2112


■ 33.4564, 0.3167,
0.3148

■ 11.1031, 0.3747,
0.2018


■ 39.4174, 0.3118,
0.3326

■ 10.1906, 0.3849,
0.1968


■ 46.1682, 0.3076,
0.3494


 9.6543, 0.3948,
0.1960

 53.7367, 0.3040,
0.3650

 9.5582, 0.3969,
0.1960

 62.1491, 0.3010,
0.3795

 71.4308, 0.2985,
0.3929

 81.6057, 0.2965,
0.4051

Harmonies

Analogous

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



20.0095, 0.2714, 0.2329



20.0095, 0.3368, 0.2584



20.0095, 0.4013, 0.2990

Triad

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



20.0095, 0.3368, 0.2584



20.0095, 0.4024, 0.4375



20.0095, 0.2000, 0.2888

Complementary

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



20.0095, 0.3368, 0.2584



31.4852, 0.2953, 0.4122

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.



20.0095, 0.2279, 0.3542



20.0095, 0.3368, 0.2584



20.0095, 0.3436, 0.4500

Square

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



20.0095, 0.3368, 0.2584



20.0095, 0.4393, 0.3975



20.0095, 0.2797, 0.4189



20.0095, 0.1987, 0.2450

Rectangle

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



20.0095, 0.3368, 0.2584



20.0095, 0.4313, 0.3311



20.0095, 0.2797, 0.4189



20.0095, 0.2063, 0.3088

Sweetspot

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



20.0104, 0.3368, 0.2584



57.5006, 0.3185, 0.3088



16.3593, 0.2613, 0.2214



12.5897, 0.3192, 0.3064



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.0104, 0.3368, 0.2584



31.2280, 0.3443, 0.2424



19.1340, 0.3802, 0.3045



7.6336, 0.3174, 0.3123



7.4205, 0.3960, 0.1955



0.1881, 0.3666, 0.1793

Inverse Universe

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



20.0104, 0.3368, 0.2584



31.2280, 0.3443, 0.2424



32.3635, 0.2720, 0.3556



7.6336, 0.3174, 0.3123



7.4205, 0.3960, 0.1955



0.1881, 0.3666, 0.1793

Previews

White Background



This preview shows how the Yxy color 20.0095, 0.3368, 0.2584 looks on a white background.

Color Contrast Check

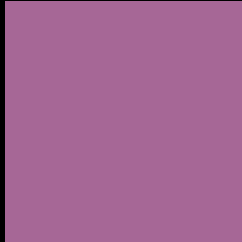
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0095, 0.3368, 0.2584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

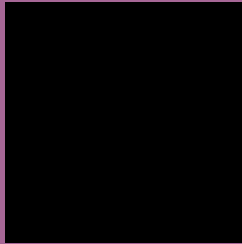
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0095, 0.3368, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 20.0095, 0.3368, 0.2584.



This preview shows how white text looks on a background with the Yxy color 20.0095, 0.3368, 0.2584.

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

20.0095, 0.3368, 0.2584

Protanopia

20.3570, 0.2610, 0.2580

Deuteranopia

20.1413, 0.2891, 0.2832



Tritanopia

19.9267, 0.3734, 0.3148

Trichromacy



Original Color

20.0095, 0.3368, 0.2584

Protanomaly

19.8995, 0.2845, 0.2571

Deuteranomaly

19.7482, 0.3055, 0.2721

Tritanomaly

19.9136, 0.3588, 0.2929

Monochromacy



Original Color

20.0095, 0.3368, 0.2584

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.3689, 0.3216, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0095, 0.3368, 0.2584 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(166, 103, 150)` looks like.

```
.text, #text, p{  
    color:rgb(166, 103, 150)  
}
```

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(166, 103, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 103, 150) }
```

Border

The CSS property to change the border of an element to Yxy 20.0095, 0.3368, 0.2584 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(166, 103, 150) }
```

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

```
.border{ border-color:rgb(166, 103, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 103, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 103, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 103, 150);  
box-shadow:4px 4px 4px 4px rgb(166, 103,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0095, 0.3368, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 103, 150) }
```

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

```
.background{ background-color: rgb(166,  
103, 150) }
```

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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