

Converting Colors

$Y_{xy}(20.4860, 0.3351, 0.2819)$

Have a look what the booklet for
Yxy(20.4860, 0.3351, 0.2819)
contains.

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Color

Yxy(20.4601, 0.3355, 0.2814)

Conversions

Conversions Part 1

Format	Color
Hex	9D6F8D
RGB	157, 111, 141
RGB Percent	62%, 44%, 55%
CMY	0.3844, 0.5647, 0.4471
CMYK	0.00, 0.29, 0.10, 0.38
HSL	321°, 19%, 53%
HSV	321°, 29%, 62%
XYZ	24.3936, 20.4601, 27.8545
YIQ	128.1740, 17.7860, 19.0820

Conversions

Conversions Part 2

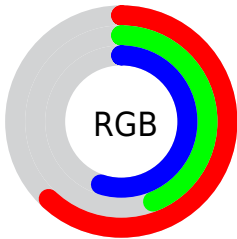
Format	Color
R _Y B	157, 111, 141
Decimal	10317709
CIE Lab	52.35, 23.12, -9.11
CIE LCh	52, 24.851, 338.491
Yxy	20.4601, 0.3355, 0.2814
Android (android.graphics.Color)	4288507789 (0xFF9D6F8D)
YUV	128.1740, 6.3232, 25.2804
Hunter-Lab	45.2328, 17.1058, -4.8480

Details

The Yxy color **20.4601, 0.3355, 0.2814** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.0229, 0.2954, 0.3820**, and the grayscale version is **21.6231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1316, 0.3302, 0.2908**, and **7.2038, 0.3440, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **17.1717, 0.3459, 0.2648**, and if you desaturate by 10%, it is **24.3604, 0.3265, 0.2981**.

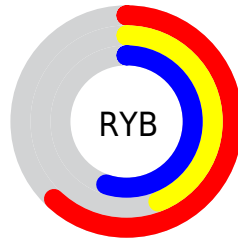
Distribution



Red (62%)

Green (44%)

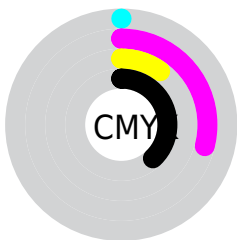
Blue (55%)



Red (62%)

Yellow (44%)

Blue (55%)

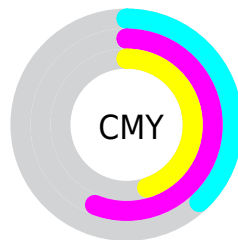


Cyan (0%)

Magenta (29%)

Yellow (10%)

Black (38%)



Cyan (38%)


Magenta (56%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4601, 0.3355, 0.2814 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 20.4601, 0.3355, 0.2814 by changing the saturation by 10% instead.


 20.4601, 0.3355,
0.2814


 20.4601, 0.3355,
0.2814

254.3951, 0.3230,
0.3075


 12.7299, 0.3390,
0.2740


 44.1872, 0.3307,
0.2915


 7.2428, 0.3439,
0.2639


 60.9530, 0.3289,
0.2951

 3.6144, 0.3509,
0.2493

 81.4994, 0.3275,
0.2981

 1.4603, 0.3619,
0.2264

 106.2109, 0.3263,
0.3006

 0.2605, 0.4074,
0.1307

135.4718, 0.3253,
0.3027

 0.0000, 0.0000,
0.0000

169.6665, 0.3244,

0.3045

209.1795, 0.3237,
0.3061

■ 20.4601, 0.3355,
0.2814

■ 20.4601, 0.3355,
0.2814

■ 17.1717, 0.3459,
0.2648

■ 24.3604, 0.3265,
0.2981

■ 14.4610, 0.3578,
0.2490

■ 28.8993, 0.3188,
0.3145

■ 12.2942, 0.3710,
0.2350

■ 34.1051, 0.3123,
0.3301

■ 10.6333, 0.3852,
0.2238

■ 40.0035, 0.3068,
0.3448

■ 9.4350, 0.4002,
0.2164

■ 46.6191, 0.3022,
0.3585

■ 8.6488, 0.4154,
0.2136

■ 53.9751, 0.2984,
0.3711

■ 8.1648, 0.4304,
0.2149

■ 62.0937, 0.2952,
0.3828

■ 8.1326, 0.4315,
0.2151

■ 70.9960, 0.2926,
0.3934

■ 80.7026, 0.2904,
0.4032

Harmonies

Analogous

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



20.4601, 0.2893, 0.2611



20.4601, 0.3355, 0.2814



20.4601, 0.3779, 0.3126

Triad

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



20.4601, 0.3355, 0.2814



20.4601, 0.3728, 0.4073



20.4601, 0.2311, 0.2985

Complementary

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



20.4601, 0.3355, 0.2814



29.0229, 0.2954, 0.3820

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.



20.4601, 0.2502, 0.3418



20.4601, 0.3355, 0.2814



20.4601, 0.3310, 0.4095

Square

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



20.4601, 0.3355, 0.2814



20.4601, 0.3995, 0.3836



20.4601, 0.2862, 0.3847



20.4601, 0.2320, 0.2682

Rectangle

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



20.4601, 0.3355, 0.2814



20.4601, 0.3966, 0.3367



20.4601, 0.2862, 0.3847



20.4601, 0.2353, 0.3119

Sweetspot

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



20.4610, 0.3355, 0.2814



51.8628, 0.3187, 0.3147



18.2669, 0.2797, 0.2501



11.1530, 0.3197, 0.3125



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.4610, 0.3355, 0.2814



32.7634, 0.3420, 0.2707



19.8627, 0.3650, 0.3166



6.7153, 0.3188, 0.3145



6.6135, 0.4304, 0.2145



0.1260, 0.3775, 0.1853

Inverse Universe

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



20.4610, 0.3355, 0.2814



32.7634, 0.3420, 0.2707



29.6704, 0.2773, 0.3420



6.7153, 0.3188, 0.3145



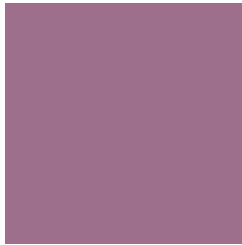
6.6135, 0.4304, 0.2145



0.1260, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 20.4601, 0.3355, 0.2814 looks on a white background.

Color Contrast Check

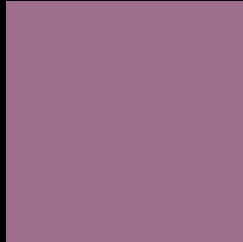
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4601, 0.3355, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

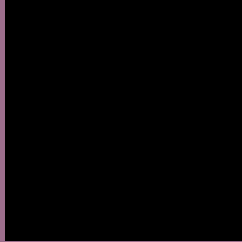
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4601, 0.3355, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 20.4601, 0.3355, 0.2814.



This preview shows how white text looks on a background with the Yxy color 20.4601, 0.3355, 0.2814.

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

20.4601, 0.3355, 0.2814

Protanopia

20.6104, 0.2809, 0.2830

Deuteranopia

20.6084, 0.3046, 0.2992



Tritanopia

20.4333, 0.3555, 0.3143

Trichromacy



Original Color

20.4601, 0.3355, 0.2814

Protanomaly

20.2868, 0.2983, 0.2810

Deuteranomaly

20.4258, 0.3145, 0.2916

Tritanomaly

20.4899, 0.3479, 0.3015

Monochromacy



Original Color

20.4601, 0.3355, 0.2814

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1015, 0.3209, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4601, 0.3355, 0.2814 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(157, 111, 141)` looks like.

```
.text, #text, p{  
    color:rgb(157, 111, 141)  
}
```

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(157, 111, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 111, 141) }
```

Border

The CSS property to change the border of an element to Yxy 20.4601, 0.3355, 0.2814 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(157, 111, 141) }
```

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

```
.border{ border-color:rgb(157, 111, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 111, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 111, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 111, 141);  
box-shadow:4px 4px 4px 4px rgb(157, 111,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4601, 0.3355, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 111, 141) }
```

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

```
.background{ background-color: rgb(157,  
111, 141) }
```

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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