

Converting Colors

$Y_{xy}(20.7211, 0.3845, 0.3176)$

Have a look what the booklet for
Yxy(20.7211, 0.3845, 0.3176)
contains.

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Color

Yxy(20.6566, 0.3841, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	A96D75
RGB	169, 109, 117
RGB Percent	66%, 43%, 46%
CMY	0.3372, 0.5726, 0.5411
CMYK	0.00, 0.36, 0.31, 0.34
HSL	352°, 26%, 55%
HSV	352°, 36%, 66%
XYZ	25.0448, 20.6566, 19.5025
YIQ	127.8520, 33.1920, 15.2080

Conversions

Conversions Part 2

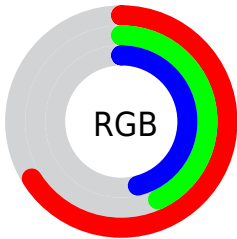
Format	Color
RYB	169, 109, 117
Decimal	11103605
CIELab	52.57, 24.98, 5.49
CIELCh	53, 25.579, 12.389
Yxy	20.6566, 0.3841, 0.3168
Android (android.graphics.Color)	4289293685 (0xFFA96D75)
YUV	127.8520, -5.3500, 36.0868
Hunter-Lab	45.4495, 18.8252, 6.3732

Details

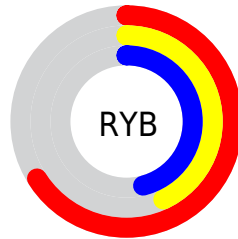
The Yxy color $20.6566, 0.3841, 0.3168$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $34.2050, 0.2692, 0.3419$, and the grayscale version is $21.5435, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5231, 0.3683, 0.3198$, and $7.3062, 0.4137, 0.3097$ is the 20% darker color. If you saturate the color by 10%, you get $17.0739, 0.4153, 0.3135$, and if you desaturate by 10%, it is $24.9885, 0.3584, 0.3204$.

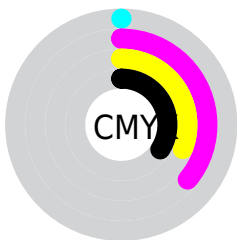
Distribution



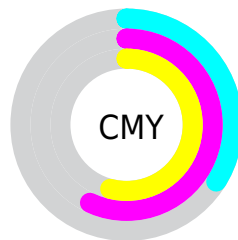
- Red (66%)
- Green (43%)
- Blue (46%)



- Red (66%)
- Yellow (43%)
- Blue (46%)



- Cyan (0%)
- Magenta (36%)
- Yellow (31%)
- Black (34%)




- Cyan (34%)
- Magenta (57%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6566, 0.3841, 0.3168 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 20.6566, 0.3841, 0.3168 by changing the saturation by 10% instead.


 20.6566, 0.3841,
0.3168

 20.6566, 0.3841,
0.3168


255.4478, 0.3433,
0.3243


 12.8732, 0.3964,
0.3142


 44.5153, 0.3678,
0.3200

 7.3413, 0.4138,
0.3104


 61.3594, 0.3622,
0.3210

 3.6765, 0.4400,
0.3042

 81.9926, 0.3576,
0.3219

 1.4943, 0.4839,
0.2926

 106.7992, 0.3538,
0.3226

 0.2847, 0.7558,
0.2442

136.1636, 0.3505,
0.3231

 0.0000, 0.0000,
0.0000

170.4703, 0.3478,

0.3236

210.1036, 0.3454,
0.3240

■ 20.6566, 0.3841,
0.3168

■ 20.6566, 0.3841,
0.3168

■ 17.0739, 0.4153,
0.3135

■ 24.9885, 0.3584,
0.3204

■ 14.1951, 0.4521,
0.3108

■ 30.1056, 0.3375,
0.3239

■ 11.9744, 0.4935,
0.3094


■ 36.0453, 0.3206,
0.3272


■ 10.3596, 0.5370,
0.3099


■ 42.8416, 0.3069,
0.3304

■ 9.2906, 0.5776,
0.3128


■ 50.5266, 0.2959,
0.3332

 8.6908, 0.6099,
0.3179

 59.1307, 0.2869,
0.3358

 8.4969, 0.6216,
0.3198

 68.6832, 0.2795,
0.3382

 79.2115, 0.2735,
0.3403

 86.7834, 0.2676,
0.3357

Harmonies

Analogous

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



20.6566, 0.3423, 0.2839



20.6566, 0.3841, 0.3168



20.6566, 0.4054, 0.3542

Triad

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



20.6566, 0.3841, 0.3168



20.6566, 0.3253, 0.4099



20.6566, 0.2317, 0.2639

Complementary

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



20.6566, 0.3841, 0.3168



34.2050, 0.2692, 0.3419

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.



20.6566, 0.2281, 0.2926



20.6566, 0.3841, 0.3168



20.6566, 0.2799, 0.3813

Square

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



20.6566, 0.3841, 0.3168



20.6566, 0.3693, 0.4111



20.6566, 0.2450, 0.3359



20.6566, 0.2549, 0.2538

Rectangle

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



20.6566, 0.3841, 0.3168



20.6566, 0.4044, 0.3781



20.6566, 0.2450, 0.3359



20.6566, 0.2282, 0.2715

Sweetspot

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



20.6576, 0.3841, 0.3168



58.3120, 0.3298, 0.3254



21.2760, 0.3061, 0.2401



12.4171, 0.3320, 0.3249



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.



20.6576, 0.3841, 0.3168



31.5978, 0.4094, 0.3140



25.5063, 0.3841, 0.3614



7.5580, 0.3265, 0.3260



6.3363, 0.6197, 0.3187



0.1589, 0.5534, 0.2822

Inverse Universe

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



20.6576, 0.3841, 0.3168



31.5978, 0.4094, 0.3140



27.2982, 0.2590, 0.2938



7.5580, 0.3265, 0.3260



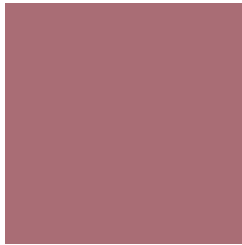
6.3363, 0.6197, 0.3187



0.1589, 0.5534, 0.2822

Previews

White Background



This preview shows how the Yxy color 20.6566, 0.3841, 0.3168 looks on a white background.

Color Contrast Check

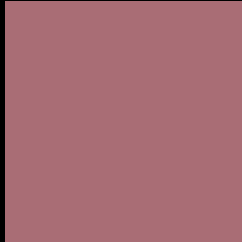
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6566, 0.3841, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

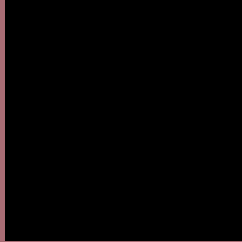
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6566, 0.3841, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 20.6566, 0.3841, 0.3168.



This preview shows how white text looks on a background with the Yxy color 20.6566, 0.3841, 0.3168.

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

20.6566, 0.3841, 0.3168

Protanopia

20.7628, 0.3152, 0.3272

Deuteranopia

20.6633, 0.3466, 0.3396



Tritanopia

20.6566, 0.3841, 0.3168

Trichromacy



Original Color

20.6566, 0.3841, 0.3168

Protanomaly

20.4634, 0.3385, 0.3222

Deuteranomaly

20.6589, 0.3597, 0.3308

Tritanomaly

20.6566, 0.3841, 0.3168

Monochromacy



Original Color

20.6566, 0.3841, 0.3168

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.9696, 0.3368, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6566, 0.3841, 0.3168 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, 109, 117)` looks like.

```
.text, #text, p{  
    color:rgb(169, 109, 117)  
}
```

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, 109, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 109, 117) }
```

Border

The CSS property to change the border of an element to Yxy 20.6566, 0.3841, 0.3168 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, 109, 117) }
```

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

```
.border{ border-color:rgb(169, 109, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 109, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 109, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 109, 117);  
box-shadow:4px 4px 4px 4px rgb(169, 109,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6566, 0.3841, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 109, 117) }
```

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

```
.background{ background-color: rgb(169,  
109, 117) }
```

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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