

Converting Colors

$Y_{xy}(20.0564, 0.3825, 0.2936)$

Have a look what the booklet for
Yxy(20.0564, 0.3825, 0.2936)
contains.

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Color

Yxy(20.1231, 0.3821, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	AF667E
RGB	175, 102, 126
RGB Percent	69%, 40%, 49%
CMY	0.3137, 0.6000, 0.5059
CMYK	0.00, 0.42, 0.28, 0.31
HSL	340°, 31%, 54%
HSV	340°, 42%, 69%
XYZ	26.1977, 20.1231, 22.2417
YIQ	126.5630, 35.8040, 22.9400

Conversions

Conversions Part 2

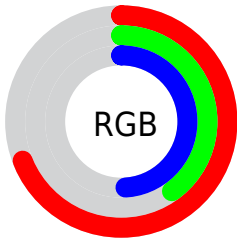
Format	Color
RYB	175, 102, 126
Decimal	11495038
CIELab	51.98, 32.40, -0.59
CIElCh	52, 32.401, 358.961
Yxy	20.1231, 0.3821, 0.2935
Android (android.graphics.Color)	4289685118 (0xFFAF667E)
YUV	126.5630, -0.2776, 42.4792
Hunter-Lab	44.8588, 25.7420, 2.0042

Details

The Yxy color $20.1231, 0.3821, 0.2935$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $35.7226, 0.2724, 0.3686$, and the grayscale version is $21.0583, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.5217, 0.3660, 0.3007$, and $7.0751, 0.4098, 0.2799$ is the 20% darker color. If you saturate the color by 10%, you get $16.7540, 0.4081, 0.2856$, and if you desaturate by 10%, it is $24.2559, 0.3601, 0.3022$.

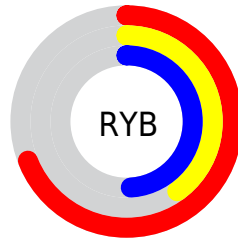
Distribution



Red (69%)

Green (40%)

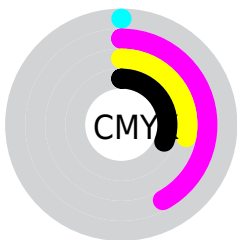
Blue (49%)



Red (69%)

Yellow (40%)

Blue (49%)

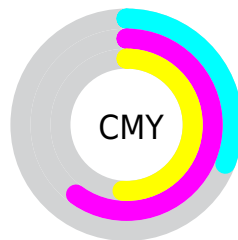


Cyan (0%)

Magenta (42%)

Yellow (28%)

Black (31%)



Cyan (31%)


Magenta (60%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1231, 0.3821, 0.2935 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 20.1231, 0.3821, 0.2935 by changing the saturation by 10% instead.


 20.1231, 0.3821,
0.2935


 20.1231, 0.3821,
0.2935

252.5807, 0.3427,
0.3136


 12.4846, 0.3939,
0.2875


 43.6235, 0.3664,
0.3015


 7.0746, 0.4105,
0.2791


 60.2541, 0.3610,
0.3043

 3.5088, 0.4354,
0.2665

 80.6509, 0.3565,
0.3065

 1.4028, 0.4769,
0.2457

 105.1982, 0.3528,
0.3084

 0.2188, 0.6695,
0.1452

134.2804, 0.3497,
0.3100

 0.0000, 0.0000,
0.0000

168.2820, 0.3470,

0.3114

207.5873, 0.3447,
0.3126

■ 20.1231, 0.3821,
0.2935

■ 20.1231, 0.3821,
0.2935

■ 16.7540, 0.4081,
0.2856

■ 24.2559, 0.3601,
0.3022

■ 14.0984, 0.4381,
0.2794

■ 29.1926, 0.3419,
0.3110

■ 12.1045, 0.4713,
0.2759


■ 34.9743, 0.3269,
0.3196


■ 10.7124, 0.5060,
0.2764


■ 41.6381, 0.3146,
0.3277

■ 9.8509, 0.5394,
0.2817


■ 49.2193, 0.3045,
0.3352

 9.4156, 0.5648,
0.2885

 57.7509, 0.2963,
0.3421

 67.2643, 0.2895,
0.3485

 77.7897, 0.2840,
0.3543

 86.4458, 0.2789,
0.3548

Harmonies

Analogous

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



20.1231, 0.3221, 0.2583



20.1231, 0.3821, 0.2935



20.1231, 0.4234, 0.3377

Triad

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



20.1231, 0.3821, 0.2935



20.1231, 0.3534, 0.4385



20.1231, 0.2066, 0.2592

Complementary

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



20.1231, 0.3821, 0.2935



35.7226, 0.2724, 0.3686

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.



20.1231, 0.2130, 0.3042



20.1231, 0.3821, 0.2935



20.1231, 0.2948, 0.4181

Square

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



20.1231, 0.3821, 0.2935



20.1231, 0.4037, 0.4222



20.1231, 0.2440, 0.3648



20.1231, 0.2245, 0.2376

Rectangle

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



20.1231, 0.3821, 0.2935



20.1231, 0.4324, 0.3686



20.1231, 0.2440, 0.3648



20.1231, 0.2060, 0.2717

Sweetspot

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



20.1241, 0.3821, 0.2935



60.9704, 0.3289, 0.3183



19.1463, 0.2887, 0.2194



13.0328, 0.3321, 0.3165



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.



20.1241, 0.3821, 0.2935



30.4664, 0.4057, 0.2862



22.1469, 0.4098, 0.3475



8.0572, 0.3237, 0.3216



6.7524, 0.5618, 0.2868



0.1981, 0.4766, 0.2399

Inverse Universe

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



20.1241, 0.3821, 0.2935



30.4664, 0.4057, 0.2862



32.0579, 0.2535, 0.3091



8.0572, 0.3237, 0.3216



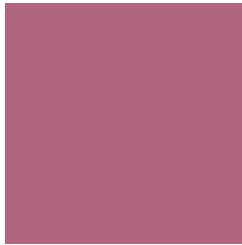
6.7524, 0.5618, 0.2868



0.1981, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 20.1231, 0.3821, 0.2935 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 20.1231, 0.3821, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

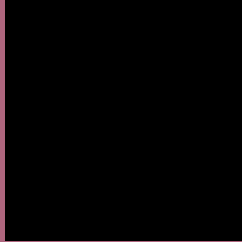
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1231, 0.3821, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 20.1231, 0.3821, 0.2935.



This preview shows how white text looks on a background with the Yxy color 20.1231, 0.3821, 0.2935.

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

20.1231, 0.3821, 0.2935

Protanopia

20.4170, 0.2942, 0.3019

Deuteranopia

20.1814, 0.3306, 0.3237



Tritanopia

20.0692, 0.4004, 0.3172

Trichromacy



Original Color

20.1231, 0.3821, 0.2935

Protanomaly

19.8747, 0.3230, 0.2981

Deuteranomaly

19.8448, 0.3492, 0.3107

Tritanomaly

19.9835, 0.3935, 0.3082

Monochromacy



Original Color

20.1231, 0.3821, 0.2935

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.4185, 0.3350, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1231, 0.3821, 0.2935 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(175, 102, 126)` looks like.

```
.text, #text, p{  
    color:rgb(175, 102, 126)  
}
```

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(175, 102, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 102, 126) }
```

Border

The CSS property to change the border of an element to Yxy 20.1231, 0.3821, 0.2935 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(175, 102, 126) }
```

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

```
.border{ border-color:rgb(175, 102, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 102, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 102, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 102, 126);  
box-shadow:4px 4px 4px 4px rgb(175, 102,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1231, 0.3821, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 102, 126) }
```

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

```
.background{ background-color: rgb(175,  
102, 126) }
```

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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