

Converting Colors

$Y_{xy}(20.4575, 0.3176, 0.3165)$

Have a look what the booklet for
Yxy(20.4575, 0.3176, 0.3165)
contains.

Yxy(20.4906, 0.3182, 0.3166)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4906, 0.3182, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	857A81
RGB	133, 122, 129
RGB Percent	52%, 48%, 51%
CMY	0.4784, 0.5215, 0.4941
CMYK	0.00, 0.08, 0.03, 0.48
HSL	322°, 4%, 50%
HSV	322°, 8%, 52%
XYZ	20.5942, 20.4906, 23.6360
YIQ	126.0870, 4.3090, 4.5090

Conversions

Conversions Part 2

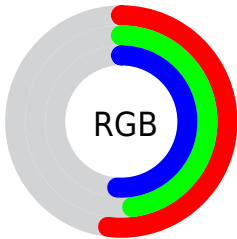
Format	Color
R _Y B	133, 122, 129
Decimal	8747649
CIE Lab	52.39, 5.54, -2.29
CIE LCh	52, 5.993, 337.536
Yxy	20.4906, 0.3182, 0.3166
Android (android.graphics.Color)	4286937729 (0xFF857A81)
YUV	126.0870, 1.4361, 6.0627
Hunter-Lab	45.2665, 1.9927, 0.7282

Details

The Yxy color $20.4906, 0.3182, 0.3166$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $22.4191, 0.3076, 0.3417$, and the grayscale version is $20.8893, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.0886, 0.3167, 0.3186$, and $7.1833, 0.3193, 0.3101$ is the 20% darker color. If you saturate the color by 10%, you get $17.3199, 0.3259, 0.3010$, and if you desaturate by 10%, it is $24.1162, 0.3117, 0.3315$.

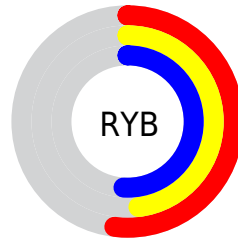
Distribution



Red (52%)

Green (48%)

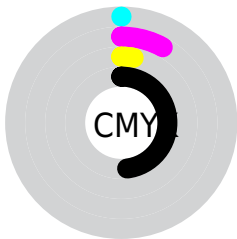
Blue (51%)



Red (52%)

Yellow (48%)

Blue (51%)

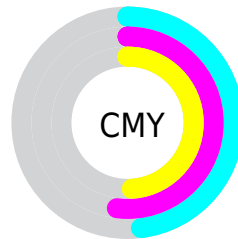


Cyan (0%)

Magenta (8%)

Yellow (3%)

Black (48%)



Cyan (48%)

Magenta (52%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4906, 0.3182, 0.3166 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 20.4906, 0.3182, 0.3166 by changing the saturation by 10% instead.

■ 20.4906, 0.3182,
0.3166

■ 20.4906, 0.3182,
0.3166

254.5588, 0.3151,
0.3236

■ 12.7522, 0.3191,
0.3145

■ 44.2382, 0.3170,
0.3194

■ 7.2581, 0.3204,
0.3116

■ 61.0161, 0.3166,
0.3203

■ 3.6240, 0.3223,
0.3072

■ 81.5760, 0.3162,
0.3211

■ 1.4656, 0.3255,
0.2999

106.3023, 0.3159,
0.3218

■ 0.2643, 0.3517,
0.2406

135.5793, 0.3157,
0.3223

■ 0.0000, 0.0000,
0.0000

169.7915, 0.3155,

0.3228

209.3232, 0.3153,
0.3232

■ 20.4906, 0.3182,
0.3166

■ 20.4906, 0.3182,
0.3166

■ 17.3199, 0.3259,
0.3010

■ 24.1162, 0.3117,
0.3315

■ 14.5833, 0.3350,
0.2849

■ 28.2112, 0.3062,
0.3456

■ 12.2623, 0.3455,
0.2688

■ 32.7926, 0.3016,
0.3586

■ 10.3362, 0.3575,
0.2534

■ 37.8758, 0.2977,
0.3707

■ 8.7823, 0.3710,
0.2395

■ 43.4756, 0.2945,
0.3818

7.5756, 0.3856,
0.2281

49.6062, 0.2918,
0.3920

6.6882, 0.4011,
0.2203

56.2811, 0.2896,
0.4014

6.0876, 0.4170,
0.2168

63.5133, 0.2877,
0.4100

5.6986, 0.4328,
0.2173

71.3157, 0.2862,
0.4178

Harmonies

Analogous

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



20.4906, 0.3070, 0.3113



20.4906, 0.3182, 0.3166



20.4906, 0.3280, 0.3251

Triad

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



20.4906, 0.3182, 0.3166



20.4906, 0.3279, 0.3478



20.4906, 0.2922, 0.3227

Complementary

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



20.4906, 0.3182, 0.3166



22.4191, 0.3076, 0.3417

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.



20.4906, 0.2976, 0.3328



20.4906, 0.3182, 0.3166



20.4906, 0.3181, 0.3475

Square

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



20.4906, 0.3182, 0.3166



20.4906, 0.3337, 0.3430



20.4906, 0.3070, 0.3419



20.4906, 0.2922, 0.3147

Rectangle

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



20.4906, 0.3182, 0.3166



20.4906, 0.3324, 0.3315



20.4906, 0.3070, 0.3419



20.4906, 0.2934, 0.3260

Sweetspot

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



20.4915, 0.3182, 0.3166



40.6377, 0.3140, 0.3260



20.0381, 0.3050, 0.3091



9.1765, 0.3139, 0.3262



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.4915, 0.3182, 0.3166



35.5201, 0.3196, 0.3136



20.3532, 0.3244, 0.3261



4.7348, 0.3188, 0.3153



5.3693, 0.4354, 0.2172



0.0200, 0.3741, 0.1834

Inverse Universe

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



20.4915, 0.3182, 0.3166



35.5201, 0.3196, 0.3136



22.5607, 0.3021, 0.3319



4.7348, 0.3188, 0.3153



5.3693, 0.4354, 0.2172



0.0200, 0.3741, 0.1834

Previews

White Background



This preview shows how the Yxy color 20.4906, 0.3182, 0.3166 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 20.4906, 0.3182, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

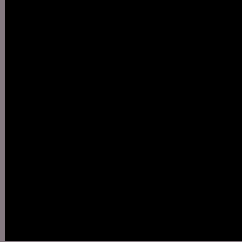
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4906, 0.3182, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 20.4906, 0.3182, 0.3166.



This preview shows how white text looks on a background with the Yxy color 20.4906, 0.3182, 0.3166.

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

20.4906, 0.3182, 0.3166

Protanopia

20.4626, 0.3084, 0.3181

Deuteranopia

20.4106, 0.3208, 0.3149



Tritanopia

20.5443, 0.3159, 0.3131

Trichromacy



Original Color

20.4906, 0.3182, 0.3166

Protanomaly

20.4448, 0.3121, 0.3164

Deuteranomaly

20.3281, 0.3195, 0.3148

Tritanomaly

20.5173, 0.3170, 0.3148

Monochromacy



Original Color

20.4906, 0.3182, 0.3166

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.8667, 0.3153, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4906, 0.3182, 0.3166 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(133, 122, 129)` looks like.

```
.text, #text, p{  
    color:rgb(133, 122, 129)  
}
```

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(133, 122, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 122, 129) }
```

Border

The CSS property to change the border of an element to Yxy 20.4906, 0.3182, 0.3166 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(133, 122, 129) }
```

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

```
.border{ border-color:rgb(133, 122, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 122, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 122, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 122, 129);  
box-shadow:4px 4px 4px 4px rgb(133, 122,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4906, 0.3182, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 122, 129) }
```

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

```
.background{ background-color: rgb(133,  
122, 129) }
```

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