

Converting Colors

$Y_{xy}(21.8850, 0.3638, 0.3207)$

Have a look what the booklet for
Yxy(21.8850, 0.3638, 0.3207)
contains.

Yxy(21.8340, 0.3636, 0.3196)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.8340, 0.3636, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	A2757B
RGB	162, 117, 123
RGB Percent	64%, 46%, 48%
CMY	0.3646, 0.5412, 0.5177
CMYK	0.00, 0.28, 0.24, 0.36
HSL	352°, 19%, 55%
HSV	352°, 28%, 64%
XYZ	24.8399, 21.8340, 21.6427
YIQ	131.1390, 24.8940, 11.4060

Conversions

Conversions Part 2

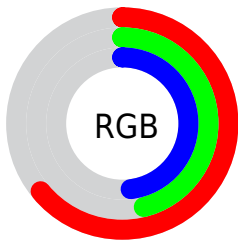
Format	Color
R_{YB}	162, 117, 123
Decimal	10646907
CIE _{Lab}	53.85, 18.59, 3.71
CIE _{LCh}	54, 18.961, 11.287
Yxy	21.8340, 0.3636, 0.3196
Android (android.graphics.Color)	4288836987 (0xFFA2757B)
YUV	131.1390, -4.0125, 27.0651
Hunter-Lab	46.7269, 13.1183, 5.2472

Details

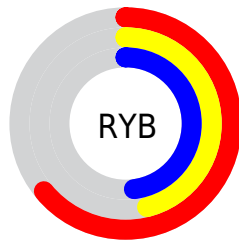
The Yxy color **21.8340, 0.3636, 0.3196** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.0313, 0.2777, 0.3388**, and the grayscale version is **22.7579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3765, 0.3529, 0.3220**, and **7.8799, 0.3847, 0.3154** is the 20% darker color. If you saturate the color by 10%, you get **18.0539, 0.3904, 0.3161**, and if you desaturate by 10%, it is **26.3200, 0.3418, 0.3231**.

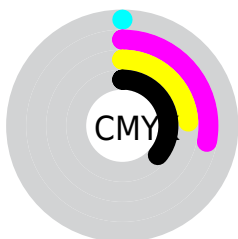
Distribution



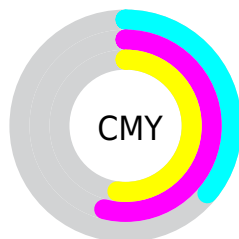
- Red (64%)
- Green (46%)
- Blue (48%)



- Red (64%)
- Yellow (46%)
- Blue (48%)



- Cyan (0%)
- Magenta (28%)
- Yellow (24%)
- Black (36%)





- Cyan (36%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8340, 0.3636, 0.3196 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 21.8340, 0.3636, 0.3196 by changing the saturation by 10% instead.


 21.8340, 0.3636,
0.3196

 21.8340, 0.3636,
0.3196


261.6782, 0.3348,
0.3252


 13.7350, 0.3722,
0.3178


 46.4715, 0.3522,
0.3219

 7.9366, 0.3842,
0.3152


 63.7787, 0.3482,
0.3227

 4.0544, 0.4024,
0.3110

 84.9242, 0.3449,
0.3233

 1.7040, 0.4325,
0.3035

110.2922, 0.3422,
0.3238

 0.4263, 0.5766,
0.2861

140.2672, 0.3399,
0.3243

 0.0000, 0.0000,
0.0000

175.2336, 0.3380,

0.3246

215.5758, 0.3363,
0.3249

■ 21.8340, 0.3636,
0.3196

■ 21.8340, 0.3636,
0.3196

■ 18.0539, 0.3904,
0.3161

■ 26.3200, 0.3418,
0.3231

■ 14.9410, 0.4227,
0.3129

■ 31.5421, 0.3241,
0.3265

■ 12.4572, 0.4605,
0.3105

■ 37.5326, 0.3098,
0.3297

■ 10.5595, 0.5025,
0.3094

■ 44.3207, 0.2983,
0.3326

■ 9.1996, 0.5457,
0.3104

■ 51.9342, 0.2888,
0.3352

■ 8.3212, 0.5850,
0.3138

■ 60.3996, 0.2812,
0.3376

■ 7.8304, 0.6154,
0.3188

■ 69.7423, 0.2748,
0.3398

■ 7.7402, 0.6211,
0.3195

■ 79.9863, 0.2696,
0.3418

■ 86.0670, 0.2640,
0.3351

Harmonies

Analogous

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



21.8340, 0.3333, 0.2947



21.8340, 0.3636, 0.3196



21.8340, 0.3797, 0.3478

Triad

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



21.8340, 0.3636, 0.3196



21.8340, 0.3240, 0.3871



21.8340, 0.2521, 0.2820

Complementary

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



21.8340, 0.3636, 0.3196



32.0313, 0.2777, 0.3388

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.



21.8340, 0.2501, 0.3043



21.8340, 0.3636, 0.3196



21.8340, 0.2903, 0.3673

Square

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



21.8340, 0.3636, 0.3196



21.8340, 0.3558, 0.3885



21.8340, 0.2636, 0.3358



21.8340, 0.2693, 0.2731

Rectangle

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



21.8340, 0.3636, 0.3196



21.8340, 0.3798, 0.3654



21.8340, 0.2636, 0.3358



21.8340, 0.2497, 0.2880

Sweetspot

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



21.8350, 0.3636, 0.3196



56.8791, 0.3247, 0.3264



22.4005, 0.3089, 0.2601



12.4475, 0.3270, 0.3259



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.8350, 0.3636, 0.3196



35.4714, 0.3786, 0.3175



25.8816, 0.3646, 0.3551



7.1006, 0.3265, 0.3260



6.0999, 0.6195, 0.3186



0.1324, 0.5499, 0.2803

Inverse Universe

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



21.8350, 0.3636, 0.3196



35.4714, 0.3786, 0.3175



26.7987, 0.2705, 0.3012



7.1006, 0.3265, 0.3260



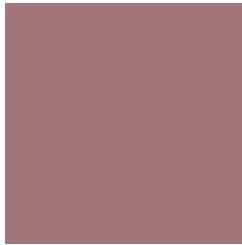
6.0999, 0.6195, 0.3186



0.1324, 0.5499, 0.2803

Previews

White Background



This preview shows how the Yxy color 21.8340, 0.3636, 0.3196 looks on a white background.

Color Contrast Check

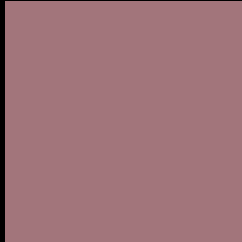
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8340, 0.3636, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

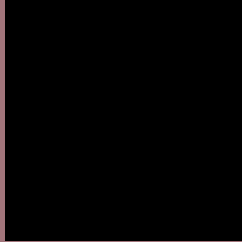
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8340, 0.3636, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 21.8340, 0.3636, 0.3196.



This preview shows how white text looks on a background with the Yxy color 21.8340, 0.3636, 0.3196.

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

21.8340, 0.3636, 0.3196

Protanopia

21.8486, 0.3151, 0.3272

Deuteranopia

22.0017, 0.3395, 0.3342



Tritanopia

21.9103, 0.3597, 0.3149

Trichromacy



Original Color

21.8340, 0.3636, 0.3196

Protanomaly

21.6984, 0.3313, 0.3239

Deuteranomaly

21.9035, 0.3491, 0.3291

Tritanomaly

21.8846, 0.3610, 0.3164

Monochromacy



Original Color

21.8340, 0.3636, 0.3196

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.2310, 0.3298, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8340, 0.3636, 0.3196 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(162, 117, 123)` looks like.

```
.text, #text, p{  
    color:rgb(162, 117, 123)  
}
```

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(162, 117, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 117, 123) }
```

Border

The CSS property to change the border of an element to Yxy 21.8340, 0.3636, 0.3196 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(162, 117, 123) }
```

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

```
.border{ border-color:rgb(162, 117, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 117, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 117, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 117, 123);  
box-shadow:4px 4px 4px 4px rgb(162, 117,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8340, 0.3636, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 117, 123) }
```

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

```
.background{ background-color: rgb(162,  
117, 123) }
```

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