

Converting Colors

$Y_{xy}(20.8010, 0.3340, 0.3400)$

Have a look what the booklet for
Yxy(20.8010, 0.3340, 0.3400)
contains.

Yxy(20.8742, 0.3332, 0.3398)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.8742, 0.3332, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	877C76
RGB	135, 124, 118
RGB Percent	53%, 49%, 46%
CMY	0.4706, 0.5137, 0.5373
CMYK	0.00, 0.08, 0.13, 0.47
HSL	21°, 7%, 50%
HSV	21°, 13%, 53%
XYZ	20.4688, 20.8742, 20.0879
YIQ	126.6050, 8.4820, 0.4660

Conversions

Conversions Part 2

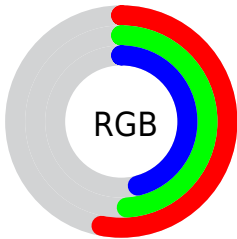
Format	Color
R_{YB}	135, 127, 118
Decimal	8879222
CIE Lab	52.81, 3.10, 4.78
CIE LCh	53, 5.701, 57.069
Yxy	20.8742, 0.3332, 0.3398
Android (android.graphics.Color)	4287069302 (0xFF877C76)
YUV	126.6050, -4.2423, 7.3624
Hunter-Lab	45.6883, 0.0151, 5.9136

Details

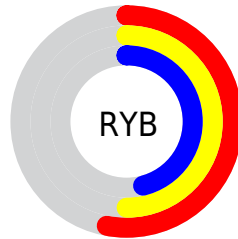
The Yxy color $20.8742, 0.3332, 0.3398$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $21.2978, 0.2940, 0.3180$, and the grayscale version is $21.0939, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.6443, 0.3284, 0.3369$, and $7.4056, 0.3410, 0.3427$ is the 20% darker color. If you saturate the color by 10%, you get $18.4850, 0.3526, 0.3489$, and if you desaturate by 10%, it is $23.5049, 0.3166, 0.3312$.

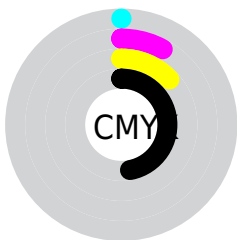
Distribution



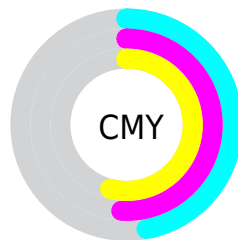
- Red (53%)
- Green (49%)
- Blue (46%)



- Red (53%)
- Yellow (50%)
- Blue (46%)



- Cyan (0%)
- Magenta (8%)
- Yellow (13%)
- Black (47%)



- Cyan (47%)
- Magenta (51%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8742, 0.3332, 0.3398 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 20.8742, 0.3332, 0.3398 by changing the saturation by 10% instead.

■ 20.8742, 0.3332,
0.3398

■ 20.8742, 0.3332,
0.3398

256.6092, 0.3216,
0.3338

■ 13.0321, 0.3367,
0.3416

■ 44.8781, 0.3286,
0.3374

■ 7.4506, 0.3417,
0.3440

■ 61.8086, 0.3269,
0.3366

■ 3.7455, 0.3492,
0.3477

■ 82.5374, 0.3256,
0.3359

■ 1.5322, 0.3620,
0.3537

107.4489, 0.3245,
0.3353

■ 0.3113, 0.5407,
0.4530

136.9274, 0.3236,
0.3348

■ 0.0000, 0.0000,
0.0000

171.3574, 0.3228,

0.3344

211.1231, 0.3222,
0.3341

■ 20.8742, 0.3332,
0.3398

■ 20.8742, 0.3332,
0.3398

■ 18.4850, 0.3526,
0.3489

■ 23.5049, 0.3166,
0.3312

■ 16.3275, 0.3751,
0.3583

■ 26.3809, 0.3024,
0.3231

■ 14.3954, 0.4009,
0.3676

■ 29.5096, 0.2903,
0.3156

■ 12.6810, 0.4300,
0.3762

■ 32.8969, 0.2800,
0.3088

■ 11.1761, 0.4619,
0.3831

■ 36.5490, 0.2710,
0.3026

■ 9.8721, 0.4952,
0.3874

■ 40.4714, 0.2633,
0.2969

■ 8.7594, 0.5280,
0.3879

■ 44.6697, 0.2567,
0.2917

■ 7.8277, 0.5575,
0.3837

■ 49.1493, 0.2509,
0.2869

■ 7.2415, 0.5780,
0.3793

■ 53.9154, 0.2458,
0.2826

Harmonies

Analogous

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



20.8742, 0.3313, 0.3312



20.8742, 0.3332, 0.3398



20.8742, 0.3295, 0.3457

Triad

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



20.8742, 0.3332, 0.3398



20.8742, 0.3012, 0.3358



20.8742, 0.3039, 0.3115

Complementary

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



20.8742, 0.3332, 0.3398



21.2978, 0.2940, 0.3180

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.



20.8742, 0.2961, 0.3124



20.8742, 0.3332, 0.3398



20.8742, 0.2945, 0.3263

Square

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



20.8742, 0.3332, 0.3398



20.8742, 0.3110, 0.3435



20.8742, 0.2927, 0.3178



20.8742, 0.3142, 0.3151

Rectangle

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



20.8742, 0.3332, 0.3398



20.8742, 0.3245, 0.3472



20.8742, 0.2927, 0.3178



20.8742, 0.3009, 0.3113

Sweetspot

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



20.8751, 0.3332, 0.3398



41.3626, 0.3189, 0.3324



19.6926, 0.3211, 0.3095



9.5027, 0.3200, 0.3330



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.8751, 0.3332, 0.3398



36.1692, 0.3382, 0.3423



23.0828, 0.3313, 0.3545



4.9382, 0.3271, 0.3367



6.7012, 0.5774, 0.3797



0.0360, 0.5056, 0.4367

Inverse Universe

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



21.2978, 0.2940, 0.3180



37.0736, 0.2899, 0.3154



19.1649, 0.2936, 0.3021



5.0092, 0.2992, 0.3212



7.9665, 0.1924, 0.2126



0.0414, 0.2086, 0.2708

Previews

White Background



This preview shows how the Yxy color 20.8742, 0.3332, 0.3398 looks on a white background.

Color Contrast Check

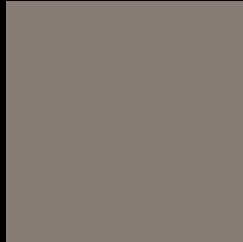
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8742, 0.3332, 0.3398 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 20.8742, 0.3332, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 20.8742, 0.3332, 0.3398.

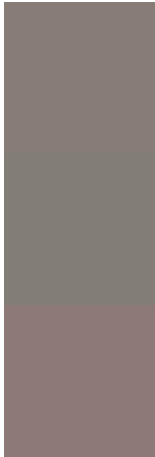


This preview shows how white text looks on a background with the Yxy color 20.8742, 0.3332, 0.3398.

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

20.8742, 0.3332, 0.3398

Protanopia

20.9994, 0.3254, 0.3417

Deuteranopia

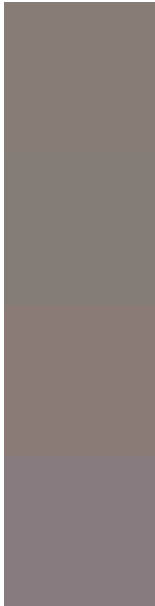
20.8898, 0.3413, 0.3361



Tritanopia

20.9034, 0.3196, 0.3116

Trichromacy



Original Color

20.8742, 0.3332, 0.3398

Protanomaly

20.9047, 0.3281, 0.3399

Deuteranomaly

20.9629, 0.3385, 0.3379

Tritanomaly

20.9325, 0.3241, 0.3220

Monochromacy



Original Color

20.8742, 0.3332, 0.3398

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.1228, 0.3197, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8742, 0.3332, 0.3398 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(135, 124, 118)` looks like.

```
.text, #text, p{  
    color:rgb(135, 124, 118)  
}
```

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(135, 124, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 124, 118) }
```

Border

The CSS property to change the border of an element to Yxy 20.8742, 0.3332, 0.3398 is called "border". The border property can be set on classes, ids or directly on the HTML element.

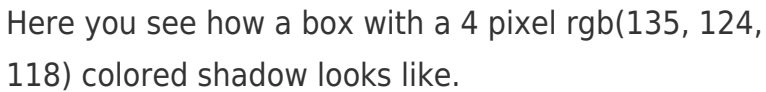
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 124, 118) }
```

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

```
.border{ border-color:rgb(135, 124, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 124, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 124, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 124, 118); box-shadow:4px 4px 4px 4px rgb(135, 124, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8742, 0.3332, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 124, 118) }
```

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

```
.background{ background-color: rgb(135,  
124, 118) }
```

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