

Converting Colors

$Y_{xy}(20.1756, 0.3306, 0.3340)$

Have a look what the booklet for
Yxy(20.1756, 0.3306, 0.3340)
contains.

Yxy(20.2375, 0.3299, 0.3345)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2375, 0.3299, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	857A77
RGB	133, 122, 119
RGB Percent	52%, 48%, 47%
CMY	0.4785, 0.5215, 0.5334
CMYK	0.00, 0.08, 0.11, 0.48
HSL	13°, 6%, 49%
HSV	13°, 11%, 52%
XYZ	19.9592, 20.2375, 20.3041
YIQ	124.9470, 7.5190, 1.3990

Conversions

Conversions Part 2

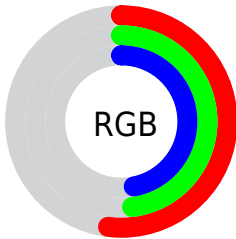
Format	Color
R_{YB}	133, 123, 119
Decimal	8747639
CIE Lab	52.10, 3.64, 3.16
CIE LCh	52, 4.818, 40.970
Yxy	20.2375, 0.3299, 0.3345
Android (android.graphics.Color)	4286937719 (0xFF857A77)
YUV	124.9470, -2.9319, 7.0625
Hunter-Lab	44.9861, 0.4702, 4.7303

Details

The Yxy color **20.2375, 0.3299, 0.3345** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.5687, 0.2972, 0.3234**, and the grayscale version is **20.4971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6515, 0.3260, 0.3330**, and **7.0590, 0.3359, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **17.5159, 0.3496, 0.3401**, and if you desaturate by 10%, it is **23.2804, 0.3135, 0.3293**.

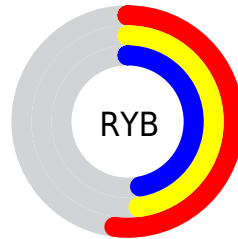
Distribution



Red (52%)

Green (48%)

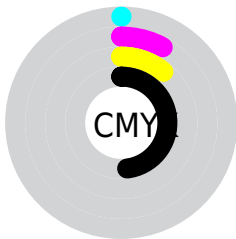
Blue (47%)



Red (52%)

Yellow (48%)

Blue (47%)

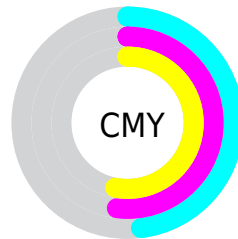


Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (48%)



Cyan (48%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2375, 0.3299, 0.3345 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 20.2375, 0.3299, 0.3345 by changing the saturation by 10% instead.

■ 20.2375, 0.3299,
0.3345

■ 20.2375, 0.3299,
0.3345

253.1980, 0.3201,
0.3314

■ 12.5678, 0.3329,
0.3354

■ 43.8150, 0.3260,
0.3333

■ 7.1316, 0.3371,
0.3366

■ 60.4916, 0.3246,
0.3329

■ 3.5445, 0.3436,
0.3385

■ 80.9393, 0.3235,
0.3325

■ 1.4222, 0.3547,
0.3415

105.5425, 0.3226,
0.3322

■ 0.2330, 0.5386,
0.4044

134.6855, 0.3218,
0.3320

■ 0.0000, 0.0000,
0.0000

168.7529, 0.3212,

0.3318

208.1289, 0.3206,
0.3316

■ 20.2375, 0.3299,
0.3345

■ 20.2375, 0.3299,
0.3345

■ 17.5159, 0.3496,
0.3401

■ 23.2804, 0.3135,
0.3293

■ 15.1024, 0.3730,
0.3459

■ 26.6519, 0.2998,
0.3244

■ 12.9869, 0.4008,
0.3516

■ 30.3624, 0.2883,
0.3200

■ 11.1577, 0.4331,
0.3569

■ 34.4210, 0.2787,
0.3159

■ 9.6022, 0.4695,
0.3611

■ 38.8367, 0.2705,
0.3123

■ 8.3070, 0.5086,
0.3634

■ 43.6178, 0.2636,
0.3089

■ 7.2575, 0.5475,
0.3627

■ 48.7726, 0.2576,
0.3059

■ 6.4375, 0.5823,
0.3587

■ 54.3090, 0.2525,
0.3031

■ 5.8494, 0.6105,
0.3535

■ 60.2347, 0.2481,
0.3006

Harmonies

Analogous

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



20.2375, 0.3258, 0.3267



20.2375, 0.3299, 0.3345



20.2375, 0.3293, 0.3410

Triad

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



20.2375, 0.3299, 0.3345



20.2375, 0.3072, 0.3387



20.2375, 0.3012, 0.3140

Complementary

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



20.2375, 0.3299, 0.3345



21.5687, 0.2972, 0.3234

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.



20.2375, 0.2964, 0.3169



20.2375, 0.3299, 0.3345



20.2375, 0.2998, 0.3311

Square

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



20.2375, 0.3299, 0.3345



20.2375, 0.3161, 0.3435



20.2375, 0.2959, 0.3231



20.2375, 0.3092, 0.3150

Rectangle

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



20.2375, 0.3299, 0.3345



20.2375, 0.3264, 0.3437



20.2375, 0.2959, 0.3231



20.2375, 0.2992, 0.3145

Sweetspot

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



20.2384, 0.3299, 0.3345



40.2600, 0.3174, 0.3306



19.7931, 0.3171, 0.3091



8.9776, 0.3186, 0.3309



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.



20.2384, 0.3299, 0.3345



34.8443, 0.3350, 0.3360



21.9599, 0.3285, 0.3465



4.8398, 0.3274, 0.3338



5.5839, 0.6101, 0.3538



0.0284, 0.5430, 0.4070

Inverse Universe

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



21.5687, 0.2972, 0.3234



37.8010, 0.2931, 0.3219



19.8268, 0.2970, 0.3108



5.1128, 0.2992, 0.3242



11.1106, 0.2056, 0.2601



0.0490, 0.2156, 0.2961

Previews

White Background



This preview shows how the Yxy color 20.2375, 0.3299, 0.3345 looks on a white background.

Color Contrast Check

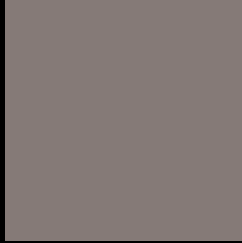
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2375, 0.3299, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

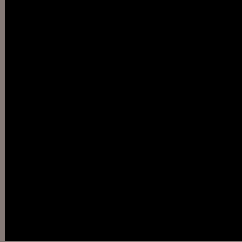
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

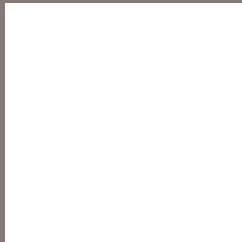
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.2375, 0.3299, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 20.2375, 0.3299, 0.3345.



This preview shows how white text looks on a background with the Yxy color 20.2375, 0.3299, 0.3345.

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

20.2375, 0.3299, 0.3345

Protanopia

20.3606, 0.3221, 0.3364

Deuteranopia

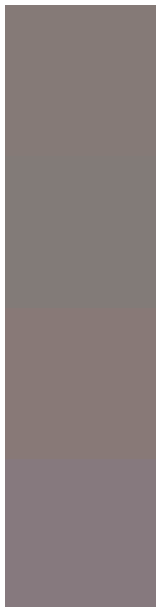
20.1681, 0.3367, 0.3308



Tritanopia

20.1130, 0.3185, 0.3113

Trichromacy



Original Color

20.2375, 0.3299, 0.3345

Protanomaly

20.2678, 0.3248, 0.3345

Deuteranomaly

20.2409, 0.3339, 0.3326

Tritanomaly

20.2494, 0.3231, 0.3201

Monochromacy



Original Color

20.2375, 0.3299, 0.3345

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4346, 0.3187, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2375, 0.3299, 0.3345 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(133, 122, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 122, 119) }
```

Border

The CSS property to change the border of an element to Yxy 20.2375, 0.3299, 0.3345 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, 119) }
```

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

```
.border{ border-color:rgb(133, 122, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 122, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 122, 119);  
box-shadow:4px 4px 4px 4px rgb(133, 122,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2375, 0.3299, 0.3345 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, 119) }
```

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

```
.background{ background-color: rgb(133,  
122, 119) }
```

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