

Converting Colors

$Y_{xy}(21.0385, 0.3238, 0.3319)$

Have a look what the booklet for
Yxy(21.0385, 0.3238, 0.3319)
contains.

Yxy(21.0838, 0.3247, 0.3326)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.0838, 0.3247, 0.3326)

Conversions

Conversions Part 1

Format	Color
Hex	857D7B
RGB	133, 125, 123
RGB Percent	52%, 49%, 48%
CMY	0.4784, 0.5098, 0.5176
CMYK	0.00, 0.06, 0.08, 0.48
HSL	12°, 4%, 50%
HSV	12°, 8%, 52%
XYZ	20.5830, 21.0838, 21.7240
YIQ	127.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

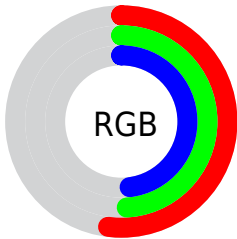
Format	Color
R_{YB}	133, 126, 123
Decimal	8748411
CIE Lab	53.04, 2.67, 2.17
CIE LCh	53, 3.438, 39.138
Yxy	21.0838, 0.3247, 0.3326
Android (android.graphics.Color)	4286938491 (0xFF857D7B)
YUV	127.1640, -2.0529, 5.1182
Hunter-Lab	45.9171, -0.3397, 4.0910

Details

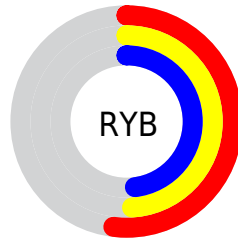
The Yxy color **21.0838, 0.3247, 0.3326** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.1415, 0.3016, 0.3254**, and the grayscale version is **21.2894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3750, 0.3222, 0.3329**, and **7.5023, 0.3294, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **18.2210, 0.3434, 0.3377**, and if you desaturate by 10%, it is **24.2827, 0.3091, 0.3279**.

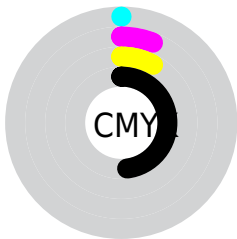
Distribution



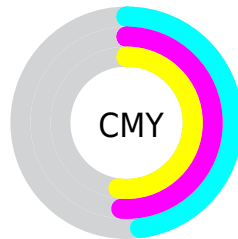
- Red (52%)
- Green (49%)
- Blue (48%)



- Red (52%)
- Yellow (49%)
- Blue (48%)



- Cyan (0%)
- Magenta (6%)
- Yellow (8%)
- Black (48%)



- Cyan (48%)
- Magenta (51%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0838, 0.3247, 0.3326 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 21.0838, 0.3247, 0.3326 by changing the saturation by 10% instead.

■ 21.0838, 0.3247,
0.3326

■ 21.0838, 0.3247,
0.3326

257.7235, 0.3179,
0.3306

■ 13.1853, 0.3267,
0.3332

■ 45.2270, 0.3220,
0.3318

■ 7.5562, 0.3296,
0.3340

■ 62.2404, 0.3211,
0.3315

■ 3.8123, 0.3340,
0.3352

■ 83.0609, 0.3203,
0.3313

■ 1.5692, 0.3414,
0.3372

108.0729, 0.3197,
0.3311

■ 0.3367, 0.4111,
0.3594

137.6607, 0.3191,
0.3310

■ 0.0000, 0.0000,
0.0000

172.2089, 0.3187,

0.3308

212.1017, 0.3183,
0.3307

■ 21.0838, 0.3247,
0.3326

■ 21.0838, 0.3247,
0.3326

■ 18.2210, 0.3434,
0.3377

■ 24.2827, 0.3091,
0.3279

■ 15.6807, 0.3659,
0.3430

■ 27.8254, 0.2961,
0.3235

■ 13.4524, 0.3926,
0.3484

■ 31.7226, 0.2853,
0.3195

■ 11.5238, 0.4240,
0.3535

■ 35.9839, 0.2762,
0.3159

■ 9.8820, 0.4598,
0.3577

■ 40.6186, 0.2685,
0.3126

■ 8.5132, 0.4989,
0.3603

■ 45.6353, 0.2619,
0.3096

■ 7.4022, 0.5389,
0.3604

■ 51.0426, 0.2563,
0.3069

■ 6.5323, 0.5759,
0.3574

■ 56.8488, 0.2515,
0.3044

■ 5.8820, 0.6065,
0.3519

■ 63.0620, 0.2473,
0.3022

Harmonies

Analogous

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



21.0838, 0.3216, 0.3271



21.0838, 0.3247, 0.3326



21.0838, 0.3245, 0.3372

Triad

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



21.0838, 0.3247, 0.3326



21.0838, 0.3092, 0.3361



21.0838, 0.3043, 0.3184

Complementary

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



21.0838, 0.3247, 0.3326



22.1415, 0.3016, 0.3254

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.



21.0838, 0.3011, 0.3207



21.0838, 0.3247, 0.3326



21.0838, 0.3039, 0.3309

Square

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



21.0838, 0.3247, 0.3326



21.0838, 0.3155, 0.3393



21.0838, 0.3009, 0.3252



21.0838, 0.3099, 0.3190

Rectangle

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



21.0838, 0.3247, 0.3326



21.0838, 0.3226, 0.3392



21.0838, 0.3009, 0.3252



21.0838, 0.3029, 0.3189

Sweetspot

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



21.0847, 0.3247, 0.3326



40.8136, 0.3158, 0.3300



20.7975, 0.3156, 0.3146



9.2134, 0.3156, 0.3299



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.



21.0847, 0.3247, 0.3326



36.8489, 0.3276, 0.3334



22.3410, 0.3239, 0.3412



4.8282, 0.3275, 0.3334



5.4863, 0.6134, 0.3512



0.0275, 0.5484, 0.4028

Inverse Universe

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



22.1415, 0.3016, 0.3254



39.1378, 0.2991, 0.3245



20.8706, 0.3016, 0.3165



5.1253, 0.2992, 0.3246



11.5343, 0.2071, 0.2657



0.0499, 0.2164, 0.2988

Previews

White Background



This preview shows how the Yxy color 21.0838, 0.3247, 0.3326 looks on a white background.

Color Contrast Check

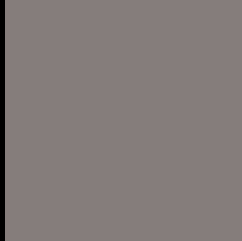
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0838, 0.3247, 0.3326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

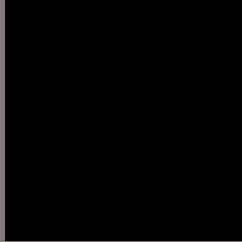
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0838, 0.3247, 0.3326

Background



This preview shows how black text looks on a background with the Yxy color 21.0838, 0.3247, 0.3326.



This preview shows how white text looks on a background with the Yxy color 21.0838, 0.3247, 0.3326.

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

21.0838, 0.3247, 0.3326

Protanopia

21.1228, 0.3197, 0.3326

Deuteranopia

20.9246, 0.3340, 0.3273



Tritanopia

20.9277, 0.3147, 0.3115

Trichromacy



Original Color

21.0838, 0.3247, 0.3326

Protanomaly

21.2022, 0.3210, 0.3326

Deuteranomaly

20.9143, 0.3300, 0.3291

Tritanomaly

21.0686, 0.3192, 0.3202

Monochromacy



Original Color

21.0838, 0.3247, 0.3326

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.0952, 0.3163, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0838, 0.3247, 0.3326 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, 125, 123)` looks like.

```
.text, #text, p{  
  color:rgb(133, 125, 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(133, 125, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 125, 123) }
```

Border

The CSS property to change the border of an element to Yxy 21.0838, 0.3247, 0.3326 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, 125, 123) }
```

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

```
.border{ border-color:rgb(133, 125, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 125, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 125, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 125, 123);  
box-shadow:4px 4px 4px 4px rgb(133, 125,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0838, 0.3247, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 125, 123) }
```

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

```
.background{ background-color: rgb(133,  
125, 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](#).

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