

Converting Colors

$Y_{xy}(22.0066, 0.3335, 0.3473)$

Have a look what the booklet for
Yxy(22.0066, 0.3335, 0.3473)
contains.

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Color

Yxy(21.9806, 0.3335, 0.3467)

Conversions

Conversions Part 1

Format	Color
Hex	888076
RGB	136, 128, 118
RGB Percent	53%, 50%, 46%
CMY	0.4667, 0.4980, 0.5372
CMYK	0.00, 0.06, 0.13, 0.47
HSL	33°, 7%, 50%
HSV	33°, 13%, 53%
XYZ	21.1437, 21.9806, 20.2752
YIQ	129.2520, 7.9780, -1.4140

Conversions

Conversions Part 2

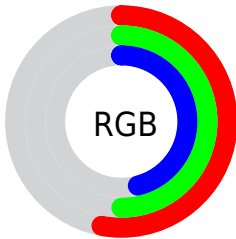
Format	Color
R_{YB}	132, 136, 118
Decimal	8945782
CIE _{Lab}	54.01, 1.21, 6.49
CIE _{LCh}	54, 6.604, 79.463
Yxy	21.9806, 0.3335, 0.3467
Android (android.graphics.Color)	4287135862 (0xFF888076)
YUV	129.2520, -5.5472, 5.9180
Hunter-Lab	46.8835, -1.5453, 7.1780

Details

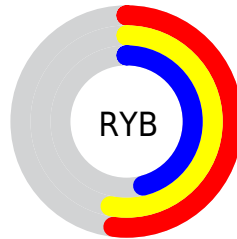
The Yxy color **21.9806, 0.3335, 0.3467** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.5589, 0.2929, 0.3106**, and the grayscale version is **22.0647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7688, 0.3286, 0.3433**, and **8.0126, 0.3412, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **20.1490, 0.3515, 0.3608**, and if you desaturate by 10%, it is **23.9550, 0.3175, 0.3332**.

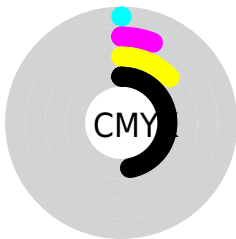
Distribution



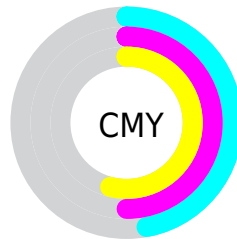
- Red (53%)
- Green (50%)
- Blue (46%)



- Red (52%)
- Yellow (53%)
- Blue (46%)



- Cyan (0%)
- Magenta (6%)
- Yellow (13%)
- Black (47%)




- Cyan (47%)
- Magenta (50%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9806, 0.3335, 0.3467 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 21.9806, 0.3335, 0.3467 by changing the saturation by 10% instead.


 21.9806, 0.3335,
0.3467


 21.9806, 0.3335,
0.3467


262.4449, 0.3218,
0.3368


 13.8426, 0.3370,
0.3496


 46.7139, 0.3289,
0.3428

 8.0113, 0.3418,
0.3537

 64.0781, 0.3273,
0.3414

 4.1022, 0.3491,
0.3597

 85.2865, 0.3259,
0.3403

 1.7309, 0.3612,
0.3696

110.7234, 0.3248,
0.3394

 0.4435, 0.4883,
0.4802

140.7733, 0.3239,
0.3386

 0.0000, 0.0000,
0.0000

175.8206, 0.3231,

0.3379

216.2497, 0.3224,
0.3373

■ 21.9806, 0.3335,
0.3467

■ 21.9806, 0.3335,
0.3467

■ 20.1490, 0.3515,
0.3608

■ 23.9550, 0.3175,
0.3332

■ 18.4536, 0.3715,
0.3752

■ 26.0727, 0.3033,
0.3205

■ 16.8916, 0.3933,
0.3894

■ 28.3381, 0.2908,
0.3086

■ 15.4590, 0.4167,
0.4027

■ 30.7541, 0.2798,
0.2977

■ 14.1515, 0.4410,
0.4140

■ 33.3241, 0.2701,
0.2876

■ 12.9645, 0.4652,
0.4223

■ 36.0509, 0.2615,
0.2784

■ 11.8929, 0.4880,
0.4266

■ 38.9374, 0.2540,
0.2699

■ 10.9309, 0.5083,
0.4260

■ 41.9864, 0.2473,
0.2622

■ 10.3315, 0.5215,
0.4241

■ 45.2006, 0.2414,
0.2551

Harmonies

Analogous

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



21.9806, 0.3361, 0.3390



21.9806, 0.3335, 0.3467



21.9806, 0.3253, 0.3498

Triad

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



21.9806, 0.3335, 0.3467



21.9806, 0.2935, 0.3287



21.9806, 0.3113, 0.3117

Complementary

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



21.9806, 0.3335, 0.3467



20.5589, 0.2929, 0.3106

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.



21.9806, 0.3000, 0.3089



21.9806, 0.3335, 0.3467



21.9806, 0.2899, 0.3184

Square

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



21.9806, 0.3335, 0.3467



21.9806, 0.3022, 0.3393



21.9806, 0.2923, 0.3112



21.9806, 0.3232, 0.3190

Rectangle

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



21.9806, 0.3335, 0.3467



21.9806, 0.3178, 0.3487



21.9806, 0.2923, 0.3112



21.9806, 0.3073, 0.3102

Sweetspot

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



21.9816, 0.3335, 0.3467



41.9029, 0.3188, 0.3343



19.7063, 0.3259, 0.3147



9.6480, 0.3198, 0.3352



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.



21.9816, 0.3335, 0.3467



37.7004, 0.3389, 0.3511



24.0766, 0.3306, 0.3605



5.4786, 0.3268, 0.3411



9.7970, 0.5212, 0.4244



0.0944, 0.4678, 0.4668

Inverse Universe

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



20.5589, 0.2929, 0.3106



34.6646, 0.2880, 0.3059



18.6568, 0.2936, 0.2957



5.2347, 0.2991, 0.3166



4.8114, 0.1735, 0.1447



0.0604, 0.1959, 0.2252

Previews

White Background



This preview shows how the Yxy color 21.9806, 0.3335, 0.3467 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 21.9806, 0.3335, 0.3467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

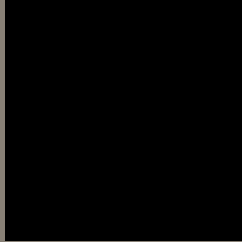
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9806, 0.3335, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 21.9806, 0.3335, 0.3467.



This preview shows how white text looks on a background with the Yxy color 21.9806, 0.3335, 0.3467.

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

21.9806, 0.3335, 0.3467

Protanopia

22.0769, 0.3309, 0.3486

Deuteranopia

22.0189, 0.3443, 0.3394



Tritanopia

21.8198, 0.3171, 0.3118

Trichromacy



Original Color

21.9806, 0.3335, 0.3467

Protanomaly

22.1594, 0.3321, 0.3486

Deuteranomaly

22.0044, 0.3403, 0.3412

Tritanomaly

21.8251, 0.3225, 0.3238

Monochromacy



Original Color

21.9806, 0.3335, 0.3467

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0867, 0.3206, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9806, 0.3335, 0.3467 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(136, 128, 118)` looks like.

```
.text, #text, p{  
    color:rgb(136, 128, 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(136, 128, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 128, 118) }
```

Border

The CSS property to change the border of an element to Yxy 21.9806, 0.3335, 0.3467 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(136, 128, 118) }
```

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

```
.border{ border-color:rgb(136, 128, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 128, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 128, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 128, 118);  
box-shadow:4px 4px 4px 4px rgb(136, 128,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9806, 0.3335, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 128, 118) }
```

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

```
.background{ background-color: rgb(136,  
128, 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](#).

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