

Converting Colors

$Y_{xy}(20.0367, 0.3453, 0.3497)$

Have a look what the booklet for
Yxy(20.0367, 0.3453, 0.3497)
contains.

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Color

Yxy(20.0348, 0.3449, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	88796E
RGB	136, 121, 110
RGB Percent	53%, 47%, 43%
CMY	0.4667, 0.5255, 0.5685
CMYK	0.00, 0.11, 0.19, 0.47
HSL	25°, 11%, 48%
HSV	25°, 19%, 53%
XYZ	19.8051, 20.0348, 17.5828
YIQ	124.2310, 12.4710, -0.2410

Conversions

Conversions Part 2

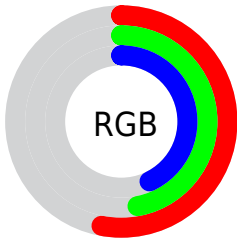
Format	Color
RYB	136, 129, 110
Decimal	8943982
CIELab	51.88, 3.85, 8.12
CIELCh	52, 8.986, 64.598
Yxy	20.0348, 0.3449, 0.3489
Android (android.graphics.Color)	4287134062 (0xFF88796E)
YUV	124.2310, -7.0159, 10.3214
Hunter-Lab	44.7603, 0.6506, 8.0417

Details

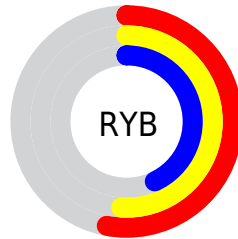
The Yxy color **20.0348, 0.3449, 0.3489** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7646, 0.2840, 0.3082**, and the grayscale version is **20.2584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4429, 0.3377, 0.3435**, and **7.0913, 0.3593, 0.3594** is the 20% darker color. If you saturate the color by 10%, you get **17.9308, 0.3655, 0.3600**, and if you desaturate by 10%, it is **22.3413, 0.3269, 0.3382**.

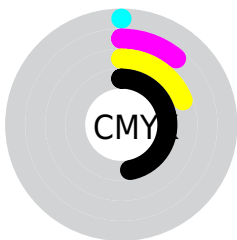
Distribution



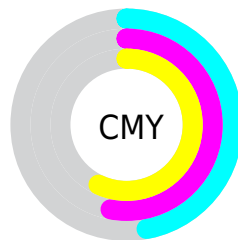
- Red (53%)
- Green (47%)
- Blue (43%)



- Red (53%)
- Yellow (51%)
- Blue (43%)



- Cyan (0%)
- Magenta (11%)
- Yellow (19%)
- Black (47%)





- Cyan (47%)
- Magenta (53%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0348, 0.3449, 0.3489 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 20.0348, 0.3449, 0.3489 by changing the saturation by 10% instead.


 20.0348, 0.3449,
0.3489


 20.0348, 0.3449,
0.3489

252.1034, 0.3265,
0.3377


 12.4203, 0.3505,
0.3522


 43.4755, 0.3375,
0.3445


 7.0306, 0.3585,
0.3568

 60.0706, 0.3350,
0.3429

 3.4813, 0.3706,
0.3636

 80.4279, 0.3329,
0.3417

 1.3878, 0.3917,
0.3749

 104.9320, 0.3312,
0.3406

 0.2077, 0.5839,
0.4161

133.9672, 0.3297,
0.3397

 0.0000, 0.0000,
0.0000

167.9179, 0.3285,

0.3390

207.1685, 0.3274,
0.3383

■ 20.0348, 0.3449,
0.3489

■ 20.0348, 0.3449,
0.3489

■ 17.9308, 0.3655,
0.3600

■ 22.3413, 0.3269,
0.3382

■ 16.0209, 0.3889,
0.3711

■ 24.8531, 0.3114,
0.3281

■ 14.3000, 0.4151,
0.3818

■ 27.5764, 0.2980,
0.3187

■ 12.7616, 0.4437,
0.3910

■ 30.5162, 0.2863,
0.3100

■ 11.3990, 0.4737,
0.3979

■ 33.6775, 0.2763,
0.3021

■ 10.2047, 0.5036,
0.4012

■ 37.0648, 0.2676,
0.2948

■ 9.1708, 0.5315,
0.3999

■ 40.6828, 0.2600,
0.2881

■ 8.2835, 0.5567,
0.3947

■ 44.5360, 0.2534,
0.2820

■ 8.2090, 0.5591,
0.3943

■ 48.6285, 0.2475,
0.2764

Harmonies

Analogous

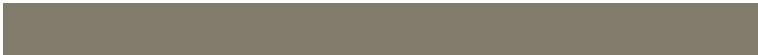
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.0348, 0.3441, 0.3359



20.0348, 0.3449, 0.3489



20.0348, 0.3368, 0.3570

Triad

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



20.0348, 0.3449, 0.3489



20.0348, 0.2910, 0.3361



20.0348, 0.3025, 0.3021

Complementary

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



20.0348, 0.3449, 0.3489



19.7646, 0.2840, 0.3082

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.



20.0348, 0.2888, 0.3016



20.0348, 0.3449, 0.3489



20.0348, 0.2823, 0.3207

Square

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



20.0348, 0.3449, 0.3489



20.0348, 0.3056, 0.3499



20.0348, 0.2815, 0.3082



20.0348, 0.3193, 0.3094

Rectangle

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



20.0348, 0.3449, 0.3489



20.0348, 0.3277, 0.3583



20.0348, 0.2815, 0.3082



20.0348, 0.2974, 0.3012

Sweetspot

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



20.0357, 0.3449, 0.3489



40.6509, 0.3221, 0.3351



17.8764, 0.3284, 0.3019



9.3597, 0.3230, 0.3357



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.



20.0357, 0.3449, 0.3489



33.6362, 0.3536, 0.3538



23.3620, 0.3409, 0.3710



5.3735, 0.3271, 0.3383



7.7886, 0.5587, 0.3946



0.0797, 0.4908, 0.4485

Inverse Universe

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



19.7646, 0.2840, 0.3082



33.0647, 0.2773, 0.3029



16.7247, 0.2827, 0.2832



5.3401, 0.2991, 0.3195



6.9255, 0.1857, 0.1883



0.0751, 0.2046, 0.2565

Previews

White Background



This preview shows how the Yxy color 20.0348, 0.3449, 0.3489 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 20.0348, 0.3449, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

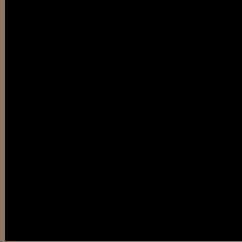
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

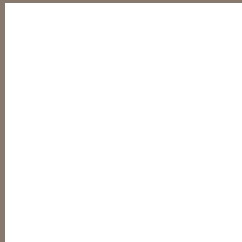
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0348, 0.3449, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 20.0348, 0.3449, 0.3489.



This preview shows how white text looks on a background with the Yxy color 20.0348, 0.3449, 0.3489.

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

20.0348, 0.3449, 0.3489

Protanopia

19.9807, 0.3341, 0.3513

Deuteranopia

19.9822, 0.3522, 0.3450



Tritanopia

19.9187, 0.3262, 0.3115

Trichromacy



Original Color

20.0348, 0.3449, 0.3489

Protanomaly

19.9723, 0.3382, 0.3492

Deuteranomaly

20.0477, 0.3492, 0.3469

Tritanomaly

19.8925, 0.3332, 0.3255

Monochromacy



Original Color

20.0348, 0.3449, 0.3489

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.0870, 0.3235, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0348, 0.3449, 0.3489 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, 121, 110)` looks like.

```
.text, #text, p{  
    color:rgb(136, 121, 110)  
}
```

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, 121, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 121, 110) }
```

Border

The CSS property to change the border of an element to Yxy 20.0348, 0.3449, 0.3489 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, 121, 110) }
```

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

```
.border{ border-color:rgb(136, 121, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 121, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 121, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 121, 110);  
box-shadow:4px 4px 4px 4px rgb(136, 121,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0348, 0.3449, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 121, 110) }
```

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

```
.background{ background-color: rgb(136,  
121, 110) }
```

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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