

Converting Colors

$Y_{xy}(19.7660, 0.3473, 0.3474)$

Have a look what the booklet for
Yxy(19.7660, 0.3473, 0.3474)
contains.

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Color

Yxy(19.8554, 0.3478, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	89786D
RGB	137, 120, 109
RGB Percent	54%, 47%, 43%
CMY	0.4628, 0.5294, 0.5725
CMYK	0.00, 0.12, 0.20, 0.46
HSL	24°, 11%, 48%
HSV	24°, 20%, 54%
XYZ	19.7928, 19.8554, 17.2604
YIQ	123.8290, 13.6630, 0.1830

Conversions

Conversions Part 2

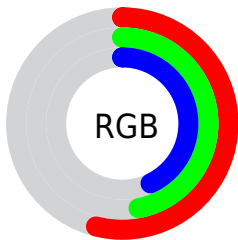
Format	Color
R_{YB}	137, 127, 109
Decimal	9009261
CIE Lab	51.67, 4.67, 8.44
CIE LCh	52, 9.643, 61.038
Yxy	19.8554, 0.3478, 0.3489
Android (android.graphics.Color)	4287199341 (0xFF89786D)
YUV	123.8290, -7.3107, 11.5510
Hunter-Lab	44.5594, 1.3088, 8.2252

Details

The Yxy color **19.8554, 0.3478, 0.3489** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.9794, 0.2821, 0.3082**, and the grayscale version is **20.1178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1195, 0.3406, 0.3448**, and **7.0088, 0.3620, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **17.6693, 0.3692, 0.3593**, and if you desaturate by 10%, it is **22.2631, 0.3293, 0.3389**.

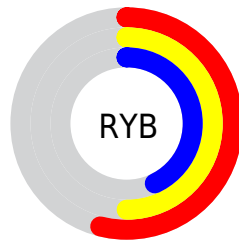
Distribution



Red (54%)

Green (47%)

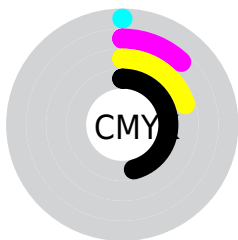
Blue (43%)



Red (54%)

Yellow (50%)

Blue (43%)

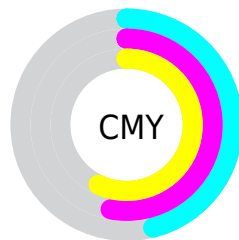


Cyan (0%)

Magenta (12%)

Yellow (20%)

Black (46%)



Cyan (46%)


Magenta (53%)


Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8554, 0.3478, 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 19.8554, 0.3478, 0.3489 by changing the saturation by 10% instead.


 19.8554, 0.3478,
0.3489


 19.8554, 0.3478,
0.3489


251.1312, 0.3277,
0.3378

 12.2900, 0.3539,
0.3522


 43.1746, 0.3397,
0.3445


 6.9415, 0.3627,
0.3567


 59.6972, 0.3370,
0.3430

 3.4255, 0.3760,
0.3634

 79.9743, 0.3347,
0.3417

 1.3577, 0.3997,
0.3747

 104.3903, 0.3328,
0.3407

 0.1852, 0.6103,
0.3897

133.3296, 0.3312,
0.3398

 0.0000, 0.0000,
0.0000

167.1766, 0.3299,

0.3390

206.3157, 0.3287,
0.3383

■ 19.8554, 0.3478,
0.3489

■ 19.8554, 0.3478,
0.3489

■ 17.6693, 0.3692,
0.3593

■ 22.2631, 0.3293,
0.3389

■ 15.6956, 0.3936,
0.3696

■ 24.8959, 0.3133,
0.3294

■ 13.9282, 0.4209,
0.3794

■ 27.7606, 0.2996,
0.3206

■ 12.3600, 0.4509,
0.3877

■ 30.8631, 0.2878,
0.3124

■ 10.9832, 0.4823,
0.3935

■ 34.2087, 0.2777,
0.3049

■ 9.7893, 0.5136,
0.3956

■ 37.8030, 0.2689,
0.2981

■ 8.7692, 0.5424,
0.3931

■ 41.6509, 0.2613,
0.2919

■ 7.9396, 0.5675,
0.3876

■ 45.7575, 0.2547,
0.2861

■ 50.1277, 0.2489,
0.2809

Harmonies

Analogous

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



19.8554, 0.3458, 0.3346



19.8554, 0.3478, 0.3489



19.8554, 0.3401, 0.3585

Triad

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



19.8554, 0.3478, 0.3489



19.8554, 0.2910, 0.3386



19.8554, 0.2997, 0.2997

Complementary

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



19.8554, 0.3478, 0.3489



19.9794, 0.2821, 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.



19.8554, 0.2856, 0.3000



19.8554, 0.3478, 0.3489



19.8554, 0.2807, 0.3220

Square

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



19.8554, 0.3478, 0.3489



19.8554, 0.3072, 0.3529



19.8554, 0.2788, 0.3079



19.8554, 0.3176, 0.3067

Rectangle

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



19.8554, 0.3478, 0.3489



19.8554, 0.3307, 0.3606



19.8554, 0.2788, 0.3079



19.8554, 0.2943, 0.2989

Sweetspot

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



19.8563, 0.3478, 0.3489



41.8478, 0.3221, 0.3347



17.7708, 0.3285, 0.2983



9.3300, 0.3230, 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.



19.8563, 0.3478, 0.3489



33.5067, 0.3584, 0.3542



23.3972, 0.3433, 0.3725



5.3500, 0.3271, 0.3376



7.4187, 0.5670, 0.3880



0.0764, 0.4969, 0.4436

Inverse Universe

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



19.9794, 0.2821, 0.3082



33.7708, 0.2743, 0.3023



16.7073, 0.2804, 0.2814



5.3642, 0.2991, 0.3202



7.4936, 0.1885, 0.1987



0.0784, 0.2063, 0.2628

Previews

White Background



This preview shows how the Yxy color 19.8554, 0.3478, 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 19.8554, 0.3478, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

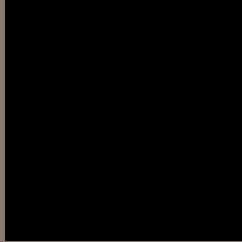
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8554, 0.3478, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 19.8554, 0.3478, 0.3489.



This preview shows how white text looks on a background with the Yxy color 19.8554, 0.3478, 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

19.8554, 0.3478, 0.3489

Protanopia

19.8809, 0.3340, 0.3533

Deuteranopia

19.8732, 0.3521, 0.3469



Tritanopia

19.7439, 0.3288, 0.3115

Trichromacy



Original Color

19.8554, 0.3478, 0.3489

Protanomaly

19.8702, 0.3382, 0.3512

Deuteranomaly

19.7867, 0.3508, 0.3470

Tritanomaly

19.7162, 0.3360, 0.3255

Monochromacy



Original Color

19.8554, 0.3478, 0.3489

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.1650, 0.3247, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8554, 0.3478, 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(137, 120, 109)` looks like.

```
.text, #text, p{  
    color:rgb(137, 120, 109)  
}
```

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(137, 120, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 120, 109) }
```

Border

The CSS property to change the border of an element to Yxy 19.8554, 0.3478, 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(137, 120, 109) }
```

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

```
.border{ border-color:rgb(137, 120, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 120, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 120, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 120, 109);  
box-shadow:4px 4px 4px 4px rgb(137, 120,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8554, 0.3478, 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(137, 120, 109) }
```

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

```
.background{ background-color: rgb(137,  
120, 109) }
```

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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