

Converting Colors

$Y_{xy}(21.0462, 0.3483, 0.3576)$

Have a look what the booklet for
Yxy(21.0462, 0.3483, 0.3576)
contains.

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Color

Yxy(21.1746, 0.3474, 0.3576)

Conversions

Conversions Part 1

Format	Color
Hex	8A7D6D
RGB	138, 125, 109
RGB Percent	54%, 49%, 43%
CMY	0.4590, 0.5097, 0.5726
CMYK	0.00, 0.09, 0.21, 0.46
HSL	33°, 12%, 48%
HSV	33°, 21%, 54%
XYZ	20.5706, 21.1746, 17.4679
YIQ	127.0630, 12.8840, -2.2200

Conversions

Conversions Part 2

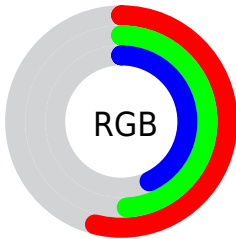
Format	Color
R_{YB}	133, 138, 109
Decimal	9076077
CIE Lab	53.14, 2.18, 10.53
CIE LCh	53, 10.757, 78.310
Yxy	21.1746, 0.3474, 0.3576
Android (android.graphics.Color)	4287266157 (0xFF8A7D6D)
YUV	127.0630, -8.9051, 9.5917
Hunter-Lab	46.0159, -0.7323, 9.7043

Details

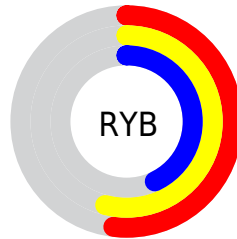
The Yxy color **21.1746, 0.3474, 0.3576** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9895, 0.2806, 0.2986**, and the grayscale version is **21.2730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6205, 0.3394, 0.3512**, and **7.5805, 0.3632, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **19.3879, 0.3670, 0.3720**, and if you desaturate by 10%, it is **23.1068, 0.3298, 0.3436**.

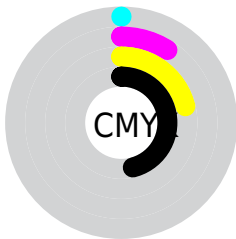
Distribution



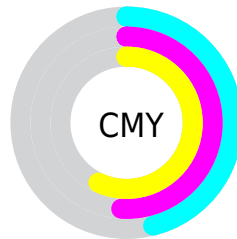
- Red (54%)
- Green (49%)
- Blue (43%)



- Red (52%)
- Yellow (54%)
- Blue (43%)



- Cyan (0%)
- Magenta (9%)
- Yellow (21%)
- Black (46%)




- Cyan (46%)
- Magenta (51%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1746, 0.3474, 0.3576 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 21.1746, 0.3474, 0.3576 by changing the saturation by 10% instead.


 21.1746, 0.3474,
0.3576

 21.1746, 0.3474,
0.3576

258.2049, 0.3277,
0.3416


 13.2517, 0.3533,
0.3623


 45.3779, 0.3396,
0.3513

 7.6021, 0.3615,
0.3688


 62.4272, 0.3369,
0.3491

 3.8414, 0.3739,
0.3785

 83.2873, 0.3347,
0.3473

 1.5852, 0.3947,
0.3944

 108.3426, 0.3328,
0.3457

 0.3476, 0.5246,
0.4754

137.9777, 0.3313,
0.3445

 0.0000, 0.0000,
0.0000

172.5769, 0.3299,

0.3434

212.5245, 0.3288,
0.3424

■ 21.1746, 0.3474,
0.3576

■ 21.1746, 0.3474,
0.3576

■ 19.3879, 0.3670,
0.3720

■ 23.1068, 0.3298,
0.3436

■ 17.7400, 0.3885,
0.3862

■ 25.1854, 0.3142,
0.3303

■ 16.2276, 0.4117,
0.3997

■ 27.4149, 0.3004,
0.3178

■ 14.8464, 0.4360,
0.4115

■ 29.7987, 0.2882,
0.3062

■ 13.5915, 0.4604,
0.4206

■ 32.3401, 0.2775,
0.2955

■ 12.4580, 0.4838,
0.4257

■ 35.0423, 0.2680,
0.2856

■ 11.4398, 0.5048,
0.4261

■ 37.9084, 0.2597,
0.2766

■ 10.6108, 0.5222,
0.4236

■ 40.9413, 0.2524,
0.2683

■ 44.1440, 0.2459,
0.2607

Harmonies

Analogous

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



21.1746, 0.3515, 0.3444



21.1746, 0.3474, 0.3576



21.1746, 0.3339, 0.3635

Triad

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



21.1746, 0.3474, 0.3576



21.1746, 0.2816, 0.3289



21.1746, 0.3095, 0.3006

Complementary

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



21.1746, 0.3474, 0.3576



18.9895, 0.2806, 0.2986

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.



21.1746, 0.2912, 0.2962



21.1746, 0.3474, 0.3576



21.1746, 0.2755, 0.3117

Square

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



21.1746, 0.3474, 0.3576



21.1746, 0.2959, 0.3468



21.1746, 0.2789, 0.3000



21.1746, 0.3292, 0.3121

Rectangle

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



21.1746, 0.3474, 0.3576



21.1746, 0.3216, 0.3621



21.1746, 0.2789, 0.3000



21.1746, 0.3030, 0.2983

Sweetspot

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



21.1756, 0.3474, 0.3576



42.5049, 0.3220, 0.3370



17.7416, 0.3354, 0.3058



9.4897, 0.3228, 0.3377



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.



21.1756, 0.3474, 0.3576



35.8851, 0.3560, 0.3641



24.5493, 0.3414, 0.3796



5.4771, 0.3268, 0.3411



9.7629, 0.5217, 0.4240



0.0941, 0.4681, 0.4665

Inverse Universe

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



18.9895, 0.2806, 0.2986



31.3447, 0.2733, 0.2912



16.1125, 0.2807, 0.2735



5.2363, 0.2991, 0.3166



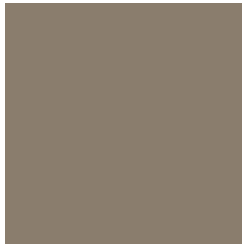
4.8380, 0.1737, 0.1453



0.0607, 0.1960, 0.2257

Previews

White Background



This preview shows how the Yxy color 21.1746, 0.3474, 0.3576 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 21.1746, 0.3474, 0.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

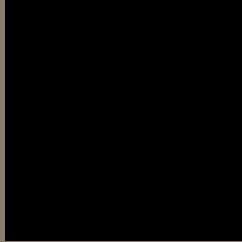
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1746, 0.3474, 0.3576

Background



This preview shows how black text looks on a background with the Yxy color 21.1746, 0.3474, 0.3576.



This preview shows how white text looks on a background with the Yxy color 21.1746, 0.3474, 0.3576.

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

21.1746, 0.3474, 0.3576

Protanopia

21.2911, 0.3393, 0.3598

Deuteranopia

21.0646, 0.3563, 0.3499



Tritanopia

21.2205, 0.3257, 0.3136

Trichromacy



Original Color

21.1746, 0.3474, 0.3576

Protanomaly

21.1984, 0.3421, 0.3578

Deuteranomaly

21.0425, 0.3521, 0.3519

Tritanomaly

21.1714, 0.3338, 0.3291

Monochromacy



Original Color

21.1746, 0.3474, 0.3576

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.1031, 0.3255, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1746, 0.3474, 0.3576 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(138, 125, 109)` looks like.

```
.text, #text, p{  
    color:rgb(138, 125, 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(138, 125, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 125, 109) }
```

Border

The CSS property to change the border of an element to Yxy 21.1746, 0.3474, 0.3576 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(138, 125, 109) }
```

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

```
.border{ border-color:rgb(138, 125, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 125, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 125, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 125, 109);  
box-shadow:4px 4px 4px 4px rgb(138, 125,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1746, 0.3474, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 125, 109) }
```

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

```
.background{ background-color: rgb(138,  
125, 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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