

Converting Colors

$Y_{xy}(20.5224, 0.3767, 0.4007)$

Have a look what the booklet for
Yxy(20.5224, 0.3767, 0.4007)
contains.

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Color

Yxy(20.4587, 0.3777, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	8A7C54
RGB	138, 124, 84
RGB Percent	54%, 49%, 33%
CMY	0.4588, 0.5137, 0.6705
CMYK	0.00, 0.10, 0.39, 0.46
HSL	44°, 24%, 44%
HSV	44°, 39%, 54%
XYZ	19.2892, 20.4587, 11.3223
YIQ	123.6260, 21.1840, -9.4720

Conversions

Conversions Part 2

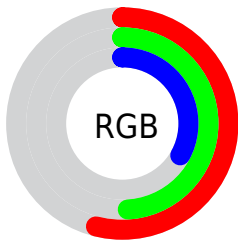
Format	Color
R_{YB}	103, 138, 84
Decimal	9075796
CIE Lab	52.35, -0.79, 23.80
CIE LCh	52, 23.812, 91.903
Yxy	20.4587, 0.3777, 0.4006
Android (android.graphics.Color)	4287265876 (0xFF8A7C54)
YUV	123.6260, -19.5356, 12.6060
Hunter-Lab	45.2313, -3.0322, 16.8205

Details

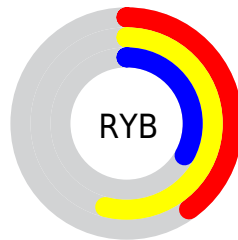
The Yxy color **20.4587, 0.3777, 0.4006** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.4570, 0.2480, 0.2450**, and the grayscale version is **20.0867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9784, 0.3634, 0.3844**, and **7.1983, 0.4031, 0.4270** is the 20% darker color. If you saturate the color by 10%, you get **19.3838, 0.3962, 0.4182**, and if you desaturate by 10%, it is **21.6106, 0.3596, 0.3821**.

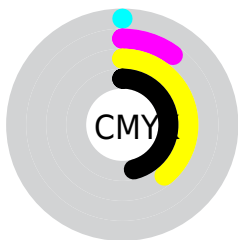
Distribution



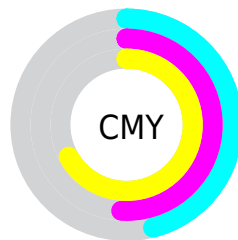
- Red (54%)
- Green (49%)
- Blue (33%)



- Red (40%)
- Yellow (54%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (39%)
- Black (46%)



- Cyan (46%)
- Magenta (51%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4587, 0.3777, 0.4006 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 20.4587, 0.3777, 0.4006 by changing the saturation by 10% instead.

■ 20.4587, 0.3777,
0.4006

■ 20.4587, 0.3777,
0.4006

■ 254.3876, 0.3413,
0.3603

■ 12.7289, 0.3881,
0.4122

■ 44.1849, 0.3635,
0.3848

■ 7.2421, 0.4021,
0.4279

■ 60.9501, 0.3584,
0.3792

■ 3.6140, 0.4216,
0.4500

■ 81.4959, 0.3543,
0.3747

■ 1.4601, 0.4824,
0.5176

■ 106.2067, 0.3508,
0.3708

■ 0.2604, 0.4670,
0.5330

■ 135.4669, 0.3479,
0.3676

■ 0.0000, 0.0000,
0.0000

169.6608, 0.3454,

0.3648

209.1729, 0.3432,
0.3624

■ 20.4587, 0.3777,
0.4006

■ 20.4587, 0.3777,
0.4006

■ 19.3838, 0.3962,
0.4182

■ 21.6106, 0.3596,
0.3821

■ 18.3802, 0.4144,
0.4340

■ 22.8394, 0.3424,
0.3634

■ 17.4458, 0.4317,
0.4471

■ 24.1484, 0.3263,
0.3451

■ 16.5771, 0.4473,
0.4565

■ 25.5401, 0.3115,
0.3275

■ 15.7701, 0.4604,
0.4615

■ 27.0165, 0.2979,
0.3109

■ 15.0152, 0.4715,
0.4629

■ 28.5798, 0.2857,
0.2954

■ 14.9504, 0.4725,
0.4631

■ 30.2320, 0.2746,
0.2811

■ 31.9751, 0.2647,
0.2679

■ 33.8109, 0.2558,
0.2558

Harmonies

Analogous

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



20.4587, 0.3986, 0.3749



20.4587, 0.3777, 0.4006



20.4587, 0.3399, 0.4077

Triad

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



20.4587, 0.3777, 0.4006



20.4587, 0.2367, 0.3082



20.4587, 0.3247, 0.2779

Complementary

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



20.4587, 0.3777, 0.4006



12.4570, 0.2480, 0.2450

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.



20.4587, 0.2815, 0.2612



20.4587, 0.3777, 0.4006



20.4587, 0.2333, 0.2757

Square

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



20.4587, 0.3777, 0.4006



20.4587, 0.2591, 0.3510



20.4587, 0.2489, 0.2598



20.4587, 0.3673, 0.3061

Rectangle

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



20.4587, 0.3777, 0.4006



20.4587, 0.3108, 0.3983



20.4587, 0.2489, 0.2598



20.4587, 0.3097, 0.2708

Sweetspot

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



20.4596, 0.3777, 0.4006



41.8283, 0.3312, 0.3507



12.6354, 0.3801, 0.3025



9.3260, 0.3329, 0.3527



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.



20.4596, 0.3777, 0.4006



34.3738, 0.3941, 0.4163



23.2067, 0.3539, 0.4276



5.6292, 0.3264, 0.3451



13.7322, 0.4722, 0.4632



0.1149, 0.4435, 0.4861

Inverse Universe

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



12.4570, 0.2480, 0.2450



18.2183, 0.2319, 0.2217



10.6976, 0.2592, 0.2193



5.0894, 0.2991, 0.3123



2.8479, 0.1597, 0.0950



0.0399, 0.1807, 0.1703

Previews

White Background



This preview shows how the Yxy color 20.4587, 0.3777, 0.4006 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 20.4587, 0.3777, 0.4006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

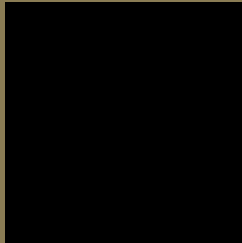
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4587, 0.3777, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 20.4587, 0.3777, 0.4006.



This preview shows how white text looks on a background with the Yxy color 20.4587, 0.3777, 0.4006.

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

20.4587, 0.3777, 0.4006

Protanopia

20.4582, 0.3731, 0.4033

Deuteranopia

20.4784, 0.3939, 0.3887



Tritanopia

20.3550, 0.3325, 0.3119

Trichromacy



Original Color

20.4587, 0.3777, 0.4006

Protanomaly

20.5416, 0.3744, 0.4030

Deuteranomaly

20.3504, 0.3878, 0.3916

Tritanomaly

20.2655, 0.3493, 0.3432

Monochromacy



Original Color

20.4587, 0.3777, 0.4006

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.1866, 0.3362, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4587, 0.3777, 0.4006 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, 124, 84)` looks like.

```
.text, #text, p{  
    color:rgb(138, 124, 84)  
}
```

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, 124, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 124, 84) }
```

Border

The CSS property to change the border of an element to Yxy 20.4587, 0.3777, 0.4006 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, 124, 84) }
```

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

```
.border{ border-color:rgb(138, 124, 84) }
```

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

Here you see how a box with a 4 pixel rgb(138, 124, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 124, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 124, 84);  
box-shadow:4px 4px 4px 4px rgb(138, 124,  
84) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.4587, 0.3777, 0.4006$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 124, 84) }
```

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

```
.background{ background-color: rgb(138,  
124, 84) }
```

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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