

Converting Colors

$Y_{xy}(20.8455, 0.3650, 0.3647)$

Have a look what the booklet for
Yxy(20.8455, 0.3650, 0.3647)
contains.

Yxy(20.8077, 0.3650, 0.3641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.8077, 0.3650, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	907A66
RGB	144, 122, 102
RGB Percent	56%, 48%, 40%
CMY	0.4353, 0.5216, 0.6001
CMYK	0.00, 0.15, 0.29, 0.44
HSL	29°, 17%, 48%
HSV	29°, 29%, 56%
XYZ	20.8591, 20.8077, 15.4815
YIQ	126.2980, 19.5320, -1.5560

Conversions

Conversions Part 2

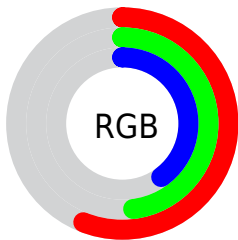
Format	Color
RYB	144, 140, 102
Decimal	9468518
CIELab	52.74, 5.31, 14.13
CIELCh	53, 15.091, 69.408
Yxy	20.8077, 0.3650, 0.3641
Android (android.graphics.Color)	4287658598 (0xFF907A66)
YUV	126.2980, -11.9789, 15.5247
Hunter-Lab	45.6155, 1.7978, 11.8083

Details

The Yxy color **20.8077, 0.3650, 0.3641** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.2475, 0.2679, 0.2910**, and the grayscale version is **21.0075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5778, 0.3529, 0.3562**, and **7.3681, 0.3872, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **18.7672, 0.3877, 0.3766**, and if you desaturate by 10%, it is **23.0434, 0.3448, 0.3516**.

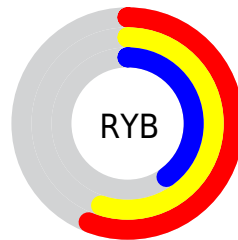
Distribution



Red (56%)

Green (48%)

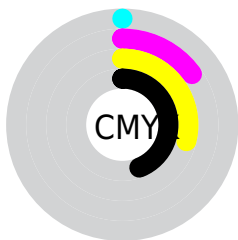
Blue (40%)



Red (56%)

Yellow (55%)

Blue (40%)

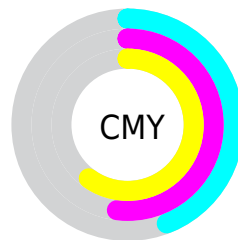


Cyan (0%)

Magenta (15%)

Yellow (29%)

Black (44%)



Cyan (44%)


Magenta (52%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8077, 0.3650, 0.3641 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 20.8077, 0.3650, 0.3641 by changing the saturation by 10% instead.


 20.8077, 0.3650,
0.3641

 20.8077, 0.3650,
0.3641


256.2548, 0.3353,
0.3446


 12.9835, 0.3739,
0.3696


 44.7673, 0.3532,
0.3565

 7.4172, 0.3864,
0.3772


 61.6714, 0.3491,
0.3538

 3.7244, 0.4050,
0.3879

 82.3711, 0.3457,
0.3516

 1.5206, 0.4421,
0.4101

 107.2505, 0.3429,
0.3498

 0.3032, 0.5795,
0.4205

136.6942, 0.3405,
0.3482

 0.0000, 0.0000,
0.0000

171.0866, 0.3385,

0.3469

210.8120, 0.3368,
0.3457

■ 20.8077, 0.3650,
0.3641

■ 20.8077, 0.3650,
0.3641

■ 18.7672, 0.3877,
0.3766

■ 23.0434, 0.3448,
0.3516

■ 16.9132, 0.4126,
0.3886

■ 25.4769, 0.3271,
0.3395

■ 15.2405, 0.4395,
0.3991

■ 28.1145, 0.3115,
0.3281

■ 13.7426, 0.4673,
0.4070

■ 30.9612, 0.2980,
0.3174

■ 12.4123, 0.4947,
0.4113

■ 34.0219, 0.2862,
0.3076

■ 11.2417, 0.5200,
0.4108

■ 37.3011, 0.2760,
0.2985

■ 10.2173, 0.5427,
0.4062

■ 40.8036, 0.2670,
0.2902

■ 10.1391, 0.5446,
0.4058

■ 44.5335, 0.2592,
0.2826

■ 48.4953, 0.2523,
0.2756

Harmonies

Analogous

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



20.8077, 0.3664, 0.3433



20.8077, 0.3650, 0.3641



20.8077, 0.3492, 0.3767

Triad

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



20.8077, 0.3650, 0.3641



20.8077, 0.2739, 0.3364



20.8077, 0.2997, 0.2867

Complementary

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



20.8077, 0.3650, 0.3641



19.2475, 0.2679, 0.2910

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.



20.8077, 0.2762, 0.2835



20.8077, 0.3650, 0.3641



20.8077, 0.2619, 0.3108

Square

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



20.8077, 0.3650, 0.3641



20.8077, 0.2964, 0.3610



20.8077, 0.2627, 0.2918



20.8077, 0.3278, 0.2999

Rectangle

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



20.8077, 0.3650, 0.3641



20.8077, 0.3329, 0.3779



20.8077, 0.2627, 0.2918



20.8077, 0.2911, 0.2844

Sweetspot

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



20.8087, 0.3650, 0.3641



44.9318, 0.3271, 0.3395



16.8935, 0.3421, 0.2902



10.1688, 0.3293, 0.3411



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.8087, 0.3650, 0.3641



34.3085, 0.3795, 0.3723



26.4148, 0.3559, 0.3973



5.8214, 0.3270, 0.3395



8.8752, 0.5437, 0.4065



0.1285, 0.4807, 0.4565

Inverse Universe

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



19.2475, 0.2679, 0.2910



31.0940, 0.2576, 0.2811



14.6135, 0.2636, 0.2502



5.6928, 0.2990, 0.3183



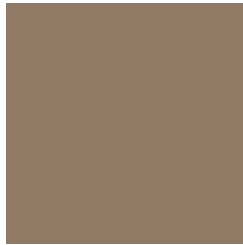
6.2284, 0.1805, 0.1698



0.1037, 0.2012, 0.2444

Previews

White Background



This preview shows how the Yxy color 20.8077, 0.3650, 0.3641 looks on a white background.

Color Contrast Check

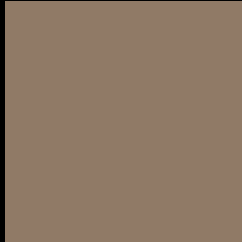
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8077, 0.3650, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

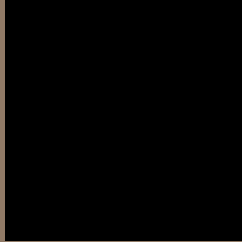
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8077, 0.3650, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 20.8077, 0.3650, 0.3641.



This preview shows how white text looks on a background with the Yxy color 20.8077, 0.3650, 0.3641.

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

20.8077, 0.3650, 0.3641

Protanopia

20.9077, 0.3466, 0.3691

Deuteranopia

20.7450, 0.3681, 0.3621



Tritanopia

20.7184, 0.3376, 0.3122

Trichromacy



Original Color

20.8077, 0.3650, 0.3641

Protanomaly

20.9649, 0.3533, 0.3686

Deuteranomaly

20.6538, 0.3668, 0.3622

Tritanomaly

20.6366, 0.3473, 0.3291

Monochromacy



Original Color

20.8077, 0.3650, 0.3641

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.9381, 0.3316, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8077, 0.3650, 0.3641 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(144, 122, 102)` looks like.

```
.text, #text, p{  
    color:rgb(144, 122, 102)  
}
```

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(144, 122, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 122, 102) }
```

Border

The CSS property to change the border of an element to Yxy 20.8077, 0.3650, 0.3641 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(144, 122, 102) }
```

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

```
.border{ border-color:rgb(144, 122, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 122, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 122, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 122, 102);  
box-shadow:4px 4px 4px 4px rgb(144, 122,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8077, 0.3650, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 122, 102) }
```

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

```
.background{ background-color: rgb(144,  
122, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor