

Converting Colors

$Y_{xy}(20.3598, 0.3628, 0.3763)$

Have a look what the booklet for
Yxy(20.3598, 0.3628, 0.3763)
contains.

Yxy(20.4323, 0.3627, 0.3758)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4323, 0.3627, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	8A7B61
RGB	138, 123, 97
RGB Percent	54%, 48%, 38%
CMY	0.4589, 0.5176, 0.6195
CMYK	0.00, 0.11, 0.30, 0.46
HSL	38°, 17%, 46%
HSV	38°, 30%, 54%
XYZ	19.7201, 20.4323, 14.2178
YIQ	124.5210, 17.2860, -4.9060

Conversions

Conversions Part 2

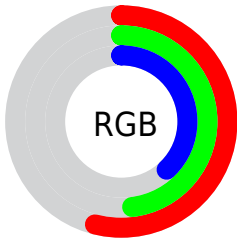
Format	Color
RYB	121, 138, 97
Decimal	9075553
CIELab	52.32, 1.51, 16.33
CIELCh	52, 16.401, 84.726
Yxy	20.4323, 0.3627, 0.3758
Android (android.graphics.Color)	4287265633 (0xFF8A7B61)
YUV	124.5210, -13.5679, 11.8211
Hunter-Lab	45.2021, -1.2305, 12.9925

Details

The Yxy color **20.4323, 0.3627, 0.3758** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9626, 0.2659, 0.2772**, and the grayscale version is **20.3812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0045, 0.3514, 0.3646**, and **7.1541, 0.3834, 0.3944** is the 20% darker color. If you saturate the color by 10%, you get **18.9785, 0.3826, 0.3920**, and if you desaturate by 10%, it is **21.9972, 0.3443, 0.3595**.

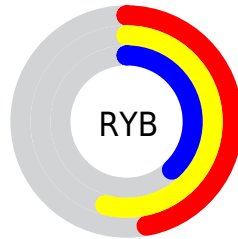
Distribution



Red (54%)

Green (48%)

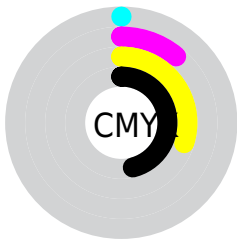
Blue (38%)



Red (47%)

Yellow (54%)

Blue (38%)

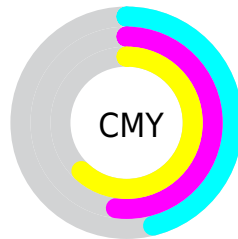


Cyan (0%)

Magenta (11%)

Yellow (30%)

Black (46%)



Cyan (46%)


Magenta (52%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4323, 0.3627, 0.3758 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 20.4323, 0.3627, 0.3758 by changing the saturation by 10% instead.


 20.4323, 0.3627,
0.3758


 20.4323, 0.3627,
0.3758


254.2459, 0.3343,
0.3494


 12.7097, 0.3711,
0.3835


 44.1408, 0.3515,
0.3654


 7.2289, 0.3828,
0.3942


 60.8954, 0.3475,
0.3618

 3.6057, 0.4001,
0.4096

 81.4296, 0.3443,
0.3588

 1.4555, 0.4438,
0.4500

 106.1275, 0.3417,
0.3563

 0.2571, 0.5224,
0.4776

135.3737, 0.3394,
0.3542

 0.0000, 0.0000,
0.0000

169.5526, 0.3375,

0.3524

209.0485, 0.3358,
0.3508

■ 20.4323, 0.3627,
0.3758

■ 20.4323, 0.3627,
0.3758

■ 18.9785, 0.3826,
0.3920

■ 21.9972, 0.3443,
0.3595

■ 17.6297, 0.4035,
0.4074

■ 23.6735, 0.3274,
0.3437

■ 16.3834, 0.4250,
0.4212

■ 25.4651, 0.3123,
0.3285

■ 15.2358, 0.4462,
0.4322

■ 27.3747, 0.2987,
0.3143

■ 14.1826, 0.4660,
0.4396

■ 29.4051, 0.2865,
0.3011

■ 13.2192, 0.4836,
0.4423

■ 31.5588, 0.2758,
0.2888

■ 12.3344, 0.4992,
0.4415

■ 33.8383, 0.2662,
0.2776

■ 12.3077, 0.4997,
0.4415

■ 36.2459, 0.2577,
0.2672

■ 38.7841, 0.2501,
0.2578

Harmonies

Analogous

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



20.4323, 0.3728, 0.3567



20.4323, 0.3627, 0.3758



20.4323, 0.3391, 0.3829

Triad

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



20.4323, 0.3627, 0.3758



20.4323, 0.2621, 0.3222



20.4323, 0.3140, 0.2891

Complementary

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



20.4323, 0.3627, 0.3758



15.9626, 0.2659, 0.2772

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.



20.4323, 0.2849, 0.2797



20.4323, 0.3627, 0.3758



20.4323, 0.2560, 0.2971

Square

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



20.4323, 0.3627, 0.3758



20.4323, 0.2812, 0.3511



20.4323, 0.2641, 0.2822



20.4323, 0.3440, 0.3078

Rectangle

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



20.4323, 0.3627, 0.3758



20.4323, 0.3194, 0.3788



20.4323, 0.2641, 0.2822



20.4323, 0.3038, 0.2848

Sweetspot

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



20.4332, 0.3627, 0.3758



41.8933, 0.3267, 0.3429



15.1249, 0.3527, 0.3017



9.3088, 0.3287, 0.3449



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.



20.4332, 0.3627, 0.3758



34.1921, 0.3766, 0.3873



23.9821, 0.3493, 0.4019



5.5427, 0.3266, 0.3428



11.3161, 0.4993, 0.4417



0.1032, 0.4564, 0.4758

Inverse Universe

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



15.9626, 0.2659, 0.2772



24.9263, 0.2539, 0.2625



13.2399, 0.2692, 0.2476



5.1721, 0.2991, 0.3148



3.8343, 0.1670, 0.1212



0.0516, 0.1899, 0.2036

Previews

White Background



This preview shows how the Yxy color 20.4323, 0.3627, 0.3758 looks on a white background.

Color Contrast Check

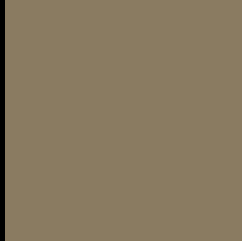
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4323, 0.3627, 0.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

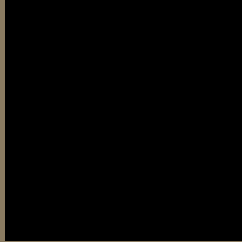
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

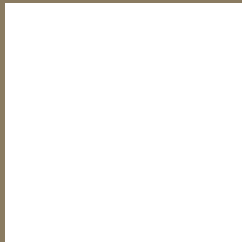
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.4323, 0.3627, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 20.4323, 0.3627, 0.3758.



This preview shows how white text looks on a background with the Yxy color 20.4323, 0.3627, 0.3758.

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

20.4323, 0.3627, 0.3758

Protanopia

20.5356, 0.3541, 0.3785

Deuteranopia

20.4258, 0.3736, 0.3673



Tritanopia

20.5029, 0.3311, 0.3135

Trichromacy



Original Color

20.4323, 0.3627, 0.3758

Protanomaly

20.4480, 0.3571, 0.3764

Deuteranomaly

20.3962, 0.3691, 0.3696

Tritanomaly

20.3800, 0.3431, 0.3344

Monochromacy



Original Color

20.4323, 0.3627, 0.3758

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3989, 0.3304, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4323, 0.3627, 0.3758 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, 123, 97)` looks like.

```
.text, #text, p{  
    color:rgb(138, 123, 97)  
}
```

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, 123, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 123, 97) }
```

Border

The CSS property to change the border of an element to Yxy 20.4323, 0.3627, 0.3758 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, 123, 97) }
```

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

```
.border{ border-color:rgb(138, 123, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 123, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 123, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 123, 97);  
box-shadow:4px 4px 4px 4px rgb(138, 123,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4323, 0.3627, 0.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 123, 97) }
```

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

```
.background{ background-color: rgb(138,  
123, 97) }
```

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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