

Converting Colors

$Y_{xy}(20.7804, 0.3750, 0.4209)$

Have a look what the booklet for
Yxy(20.7804, 0.3750, 0.4209)
contains.

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Color

Yxy(20.8797, 0.3750, 0.4216)

Conversions

Conversions Part 1

Format	Color
Hex	84804D
RGB	132, 128, 77
RGB Percent	52%, 50%, 30%
CMY	0.4824, 0.4980, 0.6980
CMYK	0.00, 0.03, 0.42, 0.48
HSL	56°, 26%, 41%
HSV	56°, 42%, 52%
XYZ	18.5718, 20.8797, 10.0734
YIQ	123.3820, 18.7550, -15.0130

Conversions

Conversions Part 2

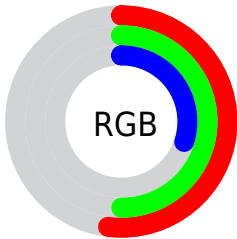
Format	Color
RYB	81, 132, 77
Decimal	8683597
CIELab	52.82, -6.49, 28.20
CIElCh	53, 28.932, 102.956
Yxy	20.8797, 0.3750, 0.4216
Android (android.graphics.Color)	4286873677 (0xFF84804D)
YUV	123.3820, -22.8663, 7.5580
Hunter-Lab	45.6943, -7.4161, 18.9155

Details

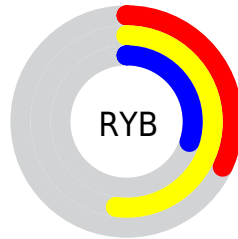
The Yxy color **20.8797, 0.3750, 0.4216** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.1240, 0.2401, 0.2155**, and the grayscale version is **20.0122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0192, 0.3617, 0.4011**, and **7.4402, 0.3956, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **20.4655, 0.3893, 0.4419**, and if you desaturate by 10%, it is **21.3360, 0.3600, 0.3998**.

Distribution



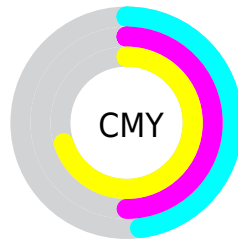
- Red (52%)
- Green (50%)
- Blue (30%)



- Red (32%)
- Yellow (52%)
- Blue (30%)



- Cyan (0%)
- Magenta (3%)
- Yellow (42%)
- Black (48%)




- Cyan (48%)
- Magenta (50%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8797, 0.3750, 0.4216 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 20.8797, 0.3750, 0.4216 by changing the saturation by 10% instead.

 20.8797, 0.3750,
0.4216


 20.8797, 0.3750,
0.4216

256.6385, 0.3409,
0.3691


 13.0361, 0.3842,
0.4369


 44.8872, 0.3620,
0.4009

 7.4534, 0.3959,
0.4576


 61.8200, 0.3573,
0.3936

 3.7472, 0.4114,
0.4873

 82.5512, 0.3534,
0.3877

 1.5332, 0.4473,
0.5527

 107.4653, 0.3501,
0.3827

 0.3119, 0.3069,
0.6931

 136.9467, 0.3473,
0.3785

 0.0000, 0.0000,
0.0000

171.3797, 0.3449,

0.3749

211.1489, 0.3427,
0.3718

■ 20.8797, 0.3750,
0.4216

■ 20.8797, 0.3750,
0.4216

■ 20.4655, 0.3893,
0.4419

■ 21.3360, 0.3600,
0.3998

■ 20.0882, 0.4022,
0.4597

■ 21.8336, 0.3447,
0.3772

■ 19.7461, 0.4132,
0.4742

■ 22.3755, 0.3296,
0.3546

■ 19.4365, 0.4219,
0.4849

■ 22.9634, 0.3150,
0.3326

■ 19.1559, 0.4281,
0.4915

■ 23.5991, 0.3013,
0.3115

■ 18.9347, 0.4321,
0.4951

■ 24.2843, 0.2884,
0.2917

■ 25.0204, 0.2766,
0.2732

■ 25.8090, 0.2658,
0.2562

■ 26.6514, 0.2559,
0.2407

Harmonies

Analogous

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



20.8797, 0.4096, 0.3960



20.8797, 0.3750, 0.4216



20.8797, 0.3253, 0.4207

Triad

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



20.8797, 0.3750, 0.4216



20.8797, 0.2182, 0.2867



20.8797, 0.3468, 0.2792

Complementary

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



20.8797, 0.3750, 0.4216



9.1240, 0.2401, 0.2155

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.



20.8797, 0.2930, 0.2541



20.8797, 0.3750, 0.4216



20.8797, 0.2227, 0.2556

Square

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



20.8797, 0.3750, 0.4216



20.8797, 0.2362, 0.3354



20.8797, 0.2487, 0.2452



20.8797, 0.3940, 0.3157

Rectangle

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



20.8797, 0.3750, 0.4216



20.8797, 0.2907, 0.4018



20.8797, 0.2487, 0.2452



20.8797, 0.3287, 0.2693

Sweetspot

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



20.8807, 0.3750, 0.4216



39.3685, 0.3305, 0.3560



10.8152, 0.4051, 0.3204



9.1414, 0.3321, 0.3584



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.8807, 0.3750, 0.4216



36.1013, 0.3885, 0.4408



20.2878, 0.3436, 0.4383



5.3671, 0.3259, 0.3490



18.3439, 0.4321, 0.4951



0.0678, 0.4252, 0.5006

Inverse Universe

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



9.1240, 0.2401, 0.2155



12.4689, 0.2211, 0.1848



9.6781, 0.2693, 0.2161



4.5946, 0.2992, 0.3082



1.8167, 0.1519, 0.0667



0.0096, 0.1600, 0.0960

Previews

White Background



This preview shows how the Yxy color 20.8797, 0.3750, 0.4216 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 20.8797, 0.3750, 0.4216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

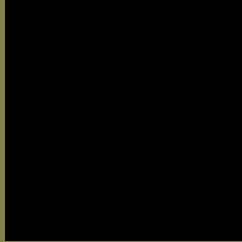
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8797, 0.3750, 0.4216

Background



This preview shows how black text looks on a background with the Yxy color 20.8797, 0.3750, 0.4216.



This preview shows how white text looks on a background with the Yxy color 20.8797, 0.3750, 0.4216.

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

20.8797, 0.3750, 0.4216

Protanopia

20.8468, 0.3854, 0.4174

Deuteranopia

20.6729, 0.4051, 0.3974



Tritanopia

20.9610, 0.3220, 0.3134

Trichromacy



Original Color

20.8797, 0.3750, 0.4216

Protanomaly

20.9348, 0.3820, 0.4199

Deuteranomaly

20.7357, 0.3947, 0.4064

Tritanomaly

20.7972, 0.3428, 0.3524

Monochromacy



Original Color

20.8797, 0.3750, 0.4216

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1435, 0.3357, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8797, 0.3750, 0.4216 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(132, 128, 77)` looks like.

```
.text, #text, p{  
    color:rgb(132, 128, 77)  
}
```

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(132, 128, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 128, 77) }
```

Border

The CSS property to change the border of an element to Yxy 20.8797, 0.3750, 0.4216 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(132, 128, 77) }
```

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

```
.border{ border-color:rgb(132, 128, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 128, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 128, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 128, 77);  
box-shadow:4px 4px 4px 4px rgb(132, 128,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8797, 0.3750, 0.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 128, 77) }
```

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

```
.background{ background-color: rgb(132,  
128, 77) }
```

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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