

Converting Colors

$Y_{xy}(21.5956, 0.3809, 0.4095)$

Have a look what the booklet for
Yxy(21.5956, 0.3809, 0.4095)
contains.

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Color

Yxy(21.6230, 0.3800, 0.4097)

Conversions

Conversions Part 1

Format	Color
Hex	8C8052
RGB	140, 128, 82
RGB Percent	55%, 50%, 32%
CMY	0.4510, 0.4980, 0.6784
CMYK	0.00, 0.09, 0.41, 0.45
HSL	48°, 26%, 44%
HSV	48°, 41%, 55%
XYZ	20.0555, 21.6230, 11.0991
YIQ	126.3440, 21.9180, -11.7620

Conversions

Conversions Part 2

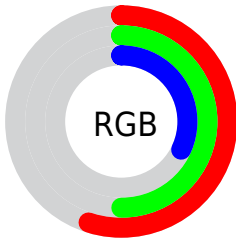
Format	Color
R_{YB}	97, 140, 82
Decimal	9207890
CIE _{Lab}	53.62, -2.44, 26.62
CIE _{LCh}	54, 26.727, 95.230
Yxy	21.6230, 0.3800, 0.4097
Android (android.graphics.Color)	4287397970 (0xFF8C8052)
YUV	126.3440, -21.8616, 11.9763
Hunter-Lab	46.5005, -4.3896, 18.3985

Details

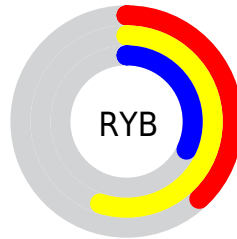
The Yxy color **21.6230, 0.3800, 0.4097** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.6882, 0.2427, 0.2323**, and the grayscale version is **21.0576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3158, 0.3660, 0.3925**, and **7.8432, 0.4046, 0.4387** is the 20% darker color. If you saturate the color by 10%, you get **20.6885, 0.3973, 0.4279**, and if you desaturate by 10%, it is **22.6244, 0.3627, 0.3902**.

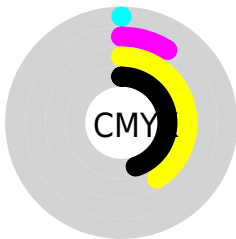
Distribution



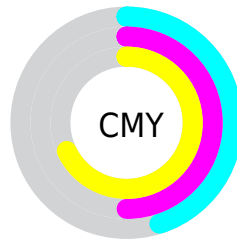
- Red (55%)
- Green (50%)
- Blue (32%)



- Red (38%)
- Yellow (55%)
- Blue (32%)



- Cyan (0%)
- Magenta (9%)
- Yellow (41%)
- Black (45%)





- Cyan (45%)
- Magenta (50%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6230, 0.3800, 0.4097 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 21.6230, 0.3800, 0.4097 by changing the saturation by 10% instead.


 21.6230, 0.3800,
0.4097


 21.6230, 0.3800,
0.4097


260.5711, 0.3429,
0.3646


 13.5801, 0.3903,
0.4225


 46.1221, 0.3657,
0.3921


 7.8292, 0.4038,
0.4397


 63.3471, 0.3606,
0.3859


 3.9859, 0.4219,
0.4634

 84.4017, 0.3563,
0.3807

 1.6657, 0.4729,
0.5271

 109.6702, 0.3528,
0.3764

 0.4013, 0.4451,
0.5549

 139.5370, 0.3497,
0.3728

 0.0000, 0.0000,
0.0000

174.3865, 0.3471,

0.3697

214.6030, 0.3448,
0.3670

■ 21.6230, 0.3800,
0.4097

■ 21.6230, 0.3800,
0.4097

■ 20.6885, 0.3973,
0.4279

■ 22.6244, 0.3627,
0.3902

■ 19.8152, 0.4138,
0.4441

■ 23.6925, 0.3458,
0.3703

■ 19.0009, 0.4290,
0.4571

■ 24.8305, 0.3298,
0.3507

■ 18.2421, 0.4421,
0.4662

■ 26.0409, 0.3148,
0.3316

■ 17.5346, 0.4525,
0.4710

■ 27.3257, 0.3009,
0.3136

■ 16.9588, 0.4602,
0.4728

■ 28.6870, 0.2883,
0.2967

■ 30.1267, 0.2768,
0.2810

■ 31.6467, 0.2664,
0.2665

■ 33.2489, 0.2571,
0.2532

Harmonies

Analogous

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



21.6230, 0.4059, 0.3826



21.6230, 0.3800, 0.4097



21.6230, 0.3370, 0.4153

Triad

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



21.6230, 0.3800, 0.4097



21.6230, 0.2281, 0.3010



21.6230, 0.3313, 0.2760

Complementary

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



21.6230, 0.3800, 0.4097



11.6882, 0.2427, 0.2323

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.



21.6230, 0.2831, 0.2563



21.6230, 0.3800, 0.4097



21.6230, 0.2268, 0.2674

Square

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



21.6230, 0.3800, 0.4097



21.6230, 0.2501, 0.3477



21.6230, 0.2460, 0.2526



21.6230, 0.3773, 0.3077

Rectangle

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



21.6230, 0.3800, 0.4097



21.6230, 0.3050, 0.4030



21.6230, 0.2460, 0.2526



21.6230, 0.3147, 0.2679

Sweetspot

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



21.6240, 0.3800, 0.4097



43.6160, 0.3311, 0.3523



12.4272, 0.3911, 0.3062



9.9978, 0.3328, 0.3544



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.6240, 0.3800, 0.4097



36.5421, 0.3966, 0.4273



23.6131, 0.3527, 0.4349



5.6725, 0.3262, 0.3462



15.1005, 0.4599, 0.4730



0.1208, 0.4378, 0.4906

Inverse Universe

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



11.6882, 0.2427, 0.2323



16.5231, 0.2246, 0.2050



10.5484, 0.2590, 0.2129



5.0489, 0.2991, 0.3112



2.4842, 0.1568, 0.0846



0.0340, 0.1755, 0.1517

Previews

White Background



This preview shows how the Yxy color 21.6230, 0.3800, 0.4097 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 21.6230, 0.3800, 0.4097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

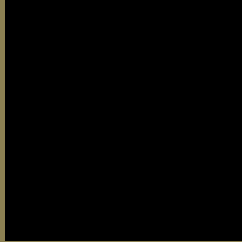
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6230, 0.3800, 0.4097

Background



This preview shows how black text looks on a background with the Yxy color 21.6230, 0.3800, 0.4097.



This preview shows how white text looks on a background with the Yxy color 21.6230, 0.3800, 0.4097.

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

21.6230, 0.3800, 0.4097

Protanopia

21.6230, 0.3800, 0.4097

Deuteranopia

21.6605, 0.4006, 0.3950



Tritanopia

21.5775, 0.3307, 0.3139

Trichromacy



Original Color

21.6230, 0.3800, 0.4097

Protanomaly

21.6230, 0.3800, 0.4097

Deuteranomaly

21.6813, 0.3927, 0.3999

Tritanomaly

21.4472, 0.3493, 0.3482

Monochromacy



Original Color

21.6230, 0.3800, 0.4097

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.1298, 0.3368, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6230, 0.3800, 0.4097 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(140, 128, 82)` looks like.

```
.text, #text, p{  
    color:rgb(140, 128, 82)  
}
```

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(140, 128, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 128, 82) }
```

Border

The CSS property to change the border of an element to Yxy 21.6230, 0.3800, 0.4097 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(140, 128, 82) }
```

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

```
.border{ border-color:rgb(140, 128, 82) }
```

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

Here you see how a box with a 4 pixel rgb(140, 128, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 128, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 128, 82);  
box-shadow:4px 4px 4px 4px rgb(140, 128,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6230, 0.3800, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 128, 82) }
```

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

```
.background{ background-color: rgb(140,  
128, 82) }
```

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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