

Converting Colors

$Y_{xy}(20.4088, 0.3549, 0.3968)$

Have a look what the booklet for
Yxy(20.4088, 0.3549, 0.3968)
contains.

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Color

Yxy(20.5233, 0.3549, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	807F5B
RGB	128, 127, 91
RGB Percent	50%, 50%, 36%
CMY	0.4980, 0.5019, 0.6432
CMYK	0.00, 0.01, 0.29, 0.50
HSL	58°, 17%, 43%
HSV	58°, 29%, 50%
XYZ	18.3793, 20.5233, 12.8847
YIQ	123.1950, 12.1520, -10.9840

Conversions

Conversions Part 2

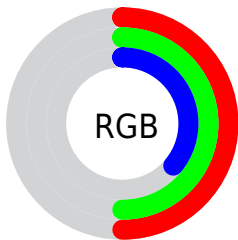
Format	Color
RYB	92, 128, 91
Decimal	8421211
CIELab	52.42, -5.80, 19.78
CIELCh	52, 20.613, 106.329
Yxy	20.5233, 0.3549, 0.3963
Android (android.graphics.Color)	4286611291 (0xFF807F5B)
YUV	123.1950, -15.8721, 4.2140
Hunter-Lab	45.3026, -6.8621, 14.8490

Details

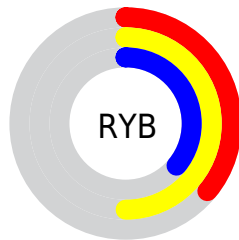
The Yxy color $20.5233, 0.3549, 0.3963$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $11.4317, 0.2647, 0.2515$, and the grayscale version is $19.9254, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.3894, 0.3458, 0.3819$, and $7.2579, 0.3697, 0.4233$ is the 20% darker color. If you saturate the color by 10%, you get $20.2328, 0.3694, 0.4192$, and if you desaturate by 10%, it is $20.8536, 0.3401, 0.3728$.

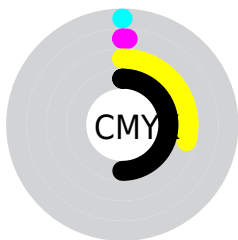
Distribution



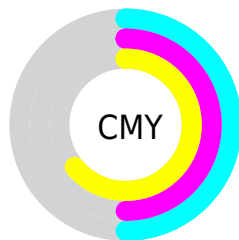
- Red (50%)
- Green (50%)
- Blue (36%)



- Red (36%)
- Yellow (50%)
- Blue (36%)



- Cyan (0%)
- Magenta (1%)
- Yellow (29%)
- Black (50%)





- Cyan (50%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5233, 0.3549, 0.3963 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 20.5233, 0.3549, 0.3963 by changing the saturation by 10% instead.


 20.5233, 0.3549,
0.3963


 20.5233, 0.3549,
0.3963


254.7341, 0.3314,
0.3577

 12.7760, 0.3616,
0.4079


 44.2928, 0.3458,
0.3809

 7.2745, 0.3705,
0.4242


 61.0838, 0.3425,
0.3756

 3.6343, 0.3830,
0.4485

 81.6582, 0.3398,
0.3712

 1.4712, 0.4326,
0.5264

 106.4003, 0.3376,
0.3676

 0.2683, 0.2974,
0.7026

135.6945, 0.3357,
0.3645

 0.0000, 0.0000,
0.0000

169.9253, 0.3341,

0.3619

209.4771, 0.3327,
0.3597

■ 20.5233, 0.3549,
0.3963

■ 20.5233, 0.3549,
0.3963

■ 20.2328, 0.3694,
0.4192

■ 20.8536, 0.3401,
0.3728

■ 19.9775, 0.3830,
0.4406

■ 21.2228, 0.3254,
0.3494

■ 19.7562, 0.3953,
0.4596

■ 21.6334, 0.3112,
0.3266

■ 19.5665, 0.4057,
0.4755

■ 22.0870, 0.2977,
0.3049

■ 19.4060, 0.4139,
0.4877

■ 22.5851, 0.2851,
0.2845

■ 19.2716, 0.4196,
0.4959

■ 23.1291, 0.2734,
0.2656

■ 19.1552, 0.4235,
0.5011

■ 23.7203, 0.2627,
0.2482

■ 19.1429, 0.4239,
0.5016

■ 24.3601, 0.2529,
0.2323

■ 25.0497, 0.2441,
0.2179

Harmonies

Analogous

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



20.5233, 0.3808, 0.3815



20.5233, 0.3549, 0.3963



20.5233, 0.3185, 0.3916

Triad

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



20.5233, 0.3549, 0.3963



20.5233, 0.2428, 0.2963



20.5233, 0.3418, 0.2953

Complementary

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



20.5233, 0.3549, 0.3963



11.4317, 0.2647, 0.2515

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.



20.5233, 0.3032, 0.2751



20.5233, 0.3549, 0.3963



20.5233, 0.2479, 0.2742

Square

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



20.5233, 0.3549, 0.3963



20.5233, 0.2548, 0.3301



20.5233, 0.2693, 0.2673



20.5233, 0.3736, 0.3235

Rectangle

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



20.5233, 0.3549, 0.3963



20.5233, 0.2936, 0.3767



20.5233, 0.2693, 0.2673



20.5233, 0.3291, 0.2874

Sweetspot

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



20.5242, 0.3549, 0.3963



37.3447, 0.3258, 0.3500



12.8440, 0.3710, 0.3267



8.7235, 0.3277, 0.3529



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



20.5242, 0.3549, 0.3963



35.7742, 0.3649, 0.4122



19.5558, 0.3325, 0.4032



5.0002, 0.3257, 0.3498



18.9808, 0.4239, 0.5016



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.4317, 0.2647, 0.2515



16.9177, 0.2513, 0.2296



12.2410, 0.2877, 0.2542



4.2289, 0.2993, 0.3074



1.6201, 0.1507, 0.0626



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.5233, 0.3549, 0.3963 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 20.5233, 0.3549, 0.3963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

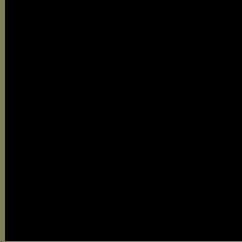
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5233, 0.3549, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 20.5233, 0.3549, 0.3963.



This preview shows how white text looks on a background with the Yxy color 20.5233, 0.3549, 0.3963.

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

20.5233, 0.3549, 0.3963

Protanopia

20.5563, 0.3662, 0.3926

Deuteranopia

20.5015, 0.3839, 0.3772



Tritanopia

20.5443, 0.3159, 0.3131

Trichromacy



Original Color

20.5233, 0.3549, 0.3963

Protanomaly

20.5654, 0.3617, 0.3952

Deuteranomaly

20.6013, 0.3728, 0.3840

Tritanomaly

20.5016, 0.3305, 0.3436

Monochromacy



Original Color

20.5233, 0.3549, 0.3963

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.9230, 0.3288, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5233, 0.3549, 0.3963 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(128, 127, 91)` looks like.

```
.text, #text, p{  
    color:rgb(128, 127, 91)  
}
```

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(128, 127, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 127, 91) }
```

Border

The CSS property to change the border of an element to Yxy 20.5233, 0.3549, 0.3963 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(128, 127, 91) }
```

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

```
.border{ border-color:rgb(128, 127, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 127, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 127, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 127, 91);  
box-shadow:4px 4px 4px 4px rgb(128, 127,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5233, 0.3549, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 127, 91) }
```

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

```
.background{ background-color: rgb(128,  
127, 91) }
```

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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