

Converting Colors

$Yxy(21.2037, 0.3564, 0.3888)$

Have a look what the booklet for
Yxy(21.2037, 0.3564, 0.3888)
contains.

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Color

Yxy(21.2511, 0.3563, 0.3891)

Conversions

Conversions Part 1

Format	Color
Hex	85805F
RGB	133, 128, 95
RGB Percent	52%, 50%, 37%
CMY	0.4784, 0.4980, 0.6274
CMYK	0.00, 0.04, 0.29, 0.48
HSL	52°, 17%, 45%
HSV	52°, 29%, 52%
XYZ	19.4597, 21.2511, 13.9052
YIQ	125.7330, 13.5730, -9.2030

Conversions

Conversions Part 2

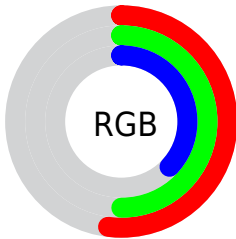
Format	Color
R_{YB}	101, 133, 95
Decimal	8749151
CIE Lab	53.22, -3.68, 18.63
CIE LCh	53, 18.994, 101.182
Yxy	21.2511, 0.3563, 0.3891
Android (android.graphics.Color)	4286939231 (0xFF85805F)
YUV	125.7330, -15.1514, 6.3732
Hunter-Lab	46.0989, -5.3231, 14.3850

Details

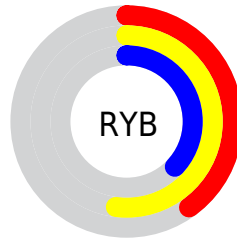
The Yxy color **21.2511, 0.3563, 0.3891** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.2472, 0.2660, 0.2608**, and the grayscale version is **20.8189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6879, 0.3469, 0.3755**, and **7.6444, 0.3738, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **20.5763, 0.3723, 0.4102**, and if you desaturate by 10%, it is **21.9771, 0.3404, 0.3677**.

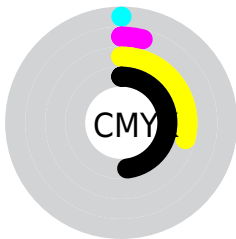
Distribution



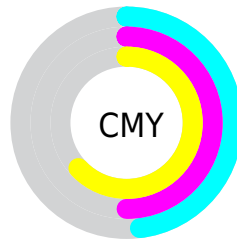
- Red (52%)
- Green (50%)
- Blue (37%)



- Red (40%)
- Yellow (52%)
- Blue (37%)



- Cyan (0%)
- Magenta (4%)
- Yellow (29%)
- Black (48%)





- Cyan (48%)
- Magenta (50%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2511, 0.3563, 0.3891 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 21.2511, 0.3563, 0.3891 by changing the saturation by 10% instead.


 21.2511, 0.3563,
0.3891


 21.2511, 0.3563,
0.3891


258.6100, 0.3320,
0.3550


 13.3077, 0.3633,
0.3992


 45.5051, 0.3468,
0.3756

 7.6408, 0.3727,
0.4133


 62.5844, 0.3435,
0.3708

 3.8659, 0.3862,
0.4341

 83.4778, 0.3407,
0.3670

 1.5989, 0.4238,
0.4874

 108.5697, 0.3384,
0.3638

 0.3568, 0.4112,
0.5888

138.2444, 0.3364,
0.3611

 0.0000, 0.0000,
0.0000

172.8865, 0.3347,

0.3587

212.8802, 0.3333,
0.3567

■ 21.2511, 0.3563,
0.3891

■ 21.2511, 0.3563,
0.3891

■ 20.5763, 0.3723,
0.4102

■ 21.9771, 0.3404,
0.3677

■ 19.9476, 0.3881,
0.4301

■ 22.7533, 0.3252,
0.3466

■ 19.3638, 0.4029,
0.4479

■ 23.5826, 0.3107,
0.3261

■ 18.8221, 0.4162,
0.4629

■ 24.4668, 0.2972,
0.3068

■ 18.3198, 0.4275,
0.4742

■ 25.4075, 0.2848,
0.2887

■ 17.8535, 0.4363,
0.4814

■ 26.4063, 0.2735,
0.2719

■ 17.4152, 0.4429,
0.4852

■ 27.4647, 0.2631,
0.2564

■ 17.3535, 0.4439,
0.4857

■ 28.5843, 0.2538,
0.2423

■ 29.7663, 0.2454,
0.2293

Harmonies

Analogous

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



21.2511, 0.3773, 0.3735



21.2511, 0.3563, 0.3891



21.2511, 0.3242, 0.3878

Triad

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



21.2511, 0.3563, 0.3891



21.2511, 0.2494, 0.3041



21.2511, 0.3334, 0.2943

Complementary

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



21.2511, 0.3563, 0.3891



13.2472, 0.2660, 0.2608

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.



21.2511, 0.2983, 0.2775



21.2511, 0.3563, 0.3891



21.2511, 0.2515, 0.2815

Square

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



21.2511, 0.3563, 0.3891



21.2511, 0.2632, 0.3360



21.2511, 0.2688, 0.2726



21.2511, 0.3641, 0.3194

Rectangle

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



21.2511, 0.3563, 0.3891



21.2511, 0.3011, 0.3763



21.2511, 0.2688, 0.2726



21.2511, 0.3216, 0.2875

Sweetspot

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



21.2521, 0.3563, 0.3891



40.6458, 0.3261, 0.3479



14.0959, 0.3643, 0.3195



9.1166, 0.3280, 0.3505



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.



21.2521, 0.3563, 0.3891



37.2885, 0.3663, 0.4022



21.5332, 0.3370, 0.4014



5.3210, 0.3260, 0.3477



16.5338, 0.4438, 0.4858



0.0645, 0.4305, 0.4964

Inverse Universe

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



13.2472, 0.2660, 0.2608



20.6147, 0.2544, 0.2432



13.1282, 0.2829, 0.2539



4.6364, 0.2992, 0.3096



2.0192, 0.1537, 0.0733



0.0129, 0.1674, 0.1225

Previews

White Background



This preview shows how the Yxy color 21.2511, 0.3563, 0.3891 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 21.2511, 0.3563, 0.3891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

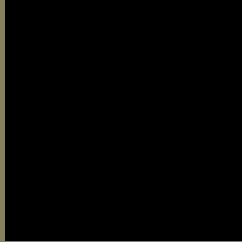
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2511, 0.3563, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 21.2511, 0.3563, 0.3891.



This preview shows how white text looks on a background with the Yxy color 21.2511, 0.3563, 0.3891.

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

21.2511, 0.3563, 0.3891

Protanopia

21.2392, 0.3606, 0.3867

Deuteranopia

21.2476, 0.3803, 0.3733



Tritanopia

21.2626, 0.3196, 0.3117

Trichromacy



Original Color

21.2511, 0.3563, 0.3891

Protanomaly

21.1559, 0.3593, 0.3869

Deuteranomaly

21.1891, 0.3713, 0.3779

Tritanomaly

21.2334, 0.3330, 0.3397

Monochromacy



Original Color

21.2511, 0.3563, 0.3891

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.0837, 0.3286, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2511, 0.3563, 0.3891 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(133, 128, 95)` looks like.

```
.text, #text, p{  
    color:rgb(133, 128, 95)  
}
```

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(133, 128, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 128, 95) }
```

Border

The CSS property to change the border of an element to Yxy 21.2511, 0.3563, 0.3891 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(133, 128, 95) }
```

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

```
.border{ border-color:rgb(133, 128, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 128, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 128, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 128, 95);  
box-shadow:4px 4px 4px 4px rgb(133, 128,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2511, 0.3563, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 128, 95) }
```

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

```
.background{ background-color: rgb(133,  
128, 95) }
```

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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