

Converting Colors

$Y_{xy}(20.9517, 0.2802, 0.3840)$

Have a look what the booklet for
Yxy(20.9517, 0.2802, 0.3840)
contains.

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Color

$\text{Yxy}(21.0740, 0.2805, 0.3851)$

Conversions

Conversions Part 1

Format	Color
Hex	518A6F
RGB	81, 138, 111
RGB Percent	32%, 54%, 44%
CMY	0.6824, 0.4588, 0.5647
CMYK	0.41, 0.00, 0.20, 0.46
HSL	152°, 26%, 43%
HSV	152°, 41%, 54%
XYZ	15.3499, 21.0740, 18.2995
YIQ	117.8790, -25.3050, -20.4810

Conversions

Conversions Part 2

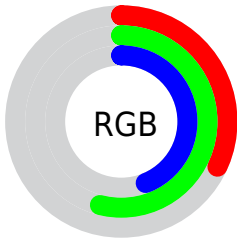
Format	Color
R_{YB}	81, 118, 138
Decimal	5343855
CIE _{Lab}	53.03, -25.26, 8.65
CIE _{LCh}	53, 26.697, 161.103
Yxy	21.0740, 0.2805, 0.3851
Android (android.graphics.Color)	4283533935 (0xFF518A6F)
YUV	117.8790, -3.3913, -32.3429
Hunter-Lab	45.9064, -20.6504, 8.4999

Details

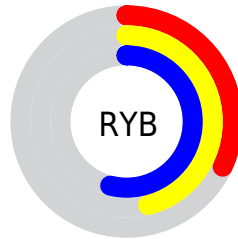
The Yxy color **21.0740, 0.2805, 0.3851** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.3677, 0.3648, 0.2797**, and the grayscale version is **18.0927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3302, 0.2880, 0.3715**, and **7.6143, 0.2668, 0.4127** is the 20% darker color. If you saturate the color by 10%, you get **20.3873, 0.2747, 0.4017**, and if you desaturate by 10%, it is **21.8968, 0.2874, 0.3696**.

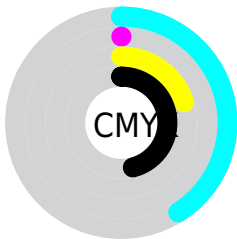
Distribution



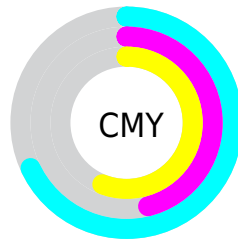
- Red (32%)
- Green (54%)
- Blue (44%)



- Red (32%)
- Yellow (46%)
- Blue (54%)



- Cyan (41%)
- Magenta (0%)
- Yellow (20%)
- Black (46%)



- Cyan (68%)
- Magenta (46%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0740, 0.2805, 0.3851 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 21.0740, 0.2805, 0.3851 by changing the saturation by 10% instead.

■ 21.0740, 0.2805,
0.3851

■ 21.0740, 0.2805,
0.3851

■ 257.6715, 0.2992,
0.3523

■ 13.1781, 0.2747,
0.3954

■ 45.2107, 0.2881,
0.3718

■ 7.5513, 0.2663,
0.4104

■ 62.2202, 0.2907,
0.3672

■ 3.8092, 0.2532,
0.4340

■ 83.0364, 0.2928,
0.3635

■ 1.5674, 0.2295,
0.4767

■ 108.0437, 0.2945,
0.3605

■ 0.3355, 0.0000,
1.0000

■ 137.6265, 0.2960,
0.3580

■ 0.0000, 0.0000,
0.0000

172.1691, 0.2972,

0.3558

212.0560, 0.2983,
0.3539

■ 21.0740, 0.2805,
0.3851

■ 21.0740, 0.2805,
0.3851

■ 20.3873, 0.2747,
0.4017

■ 21.8968, 0.2874,
0.3696

■ 19.8265, 0.2702,
0.4192

■ 22.8604, 0.2950,
0.3552

■ 19.3837, 0.2673,
0.4371


■ 23.9721, 0.3032,
0.3422

■ 19.0491, 0.2663,
0.4552

■ 25.2382, 0.3116,
0.3305


■ 18.8115, 0.2672,
0.4729

■ 26.6646, 0.3201,
0.3200

 18.6553, 0.2688,
0.4878

 28.2567, 0.3285,
0.3107

 30.0198, 0.3367,
0.3025

 31.9590, 0.3446,
0.2952

 34.0790, 0.3523,
0.2889

Harmonies

Analogous

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



21.0740, 0.3277, 0.4138



21.0740, 0.2805, 0.3851



21.0740, 0.2438, 0.3382

Triad

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



21.0740, 0.2805, 0.3851



21.0740, 0.2515, 0.2514



21.0740, 0.4085, 0.3532

Complementary

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



21.0740, 0.2805, 0.3851



12.3677, 0.3648, 0.2797

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.



21.0740, 0.3852, 0.3147



21.0740, 0.2805, 0.3851



21.0740, 0.2918, 0.2585

Square

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



21.0740, 0.2805, 0.3851



21.0740, 0.2284, 0.2625



21.0740, 0.3412, 0.2811



21.0740, 0.4033, 0.3894

Rectangle

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



21.0740, 0.2805, 0.3851



21.0740, 0.2293, 0.3067



21.0740, 0.3412, 0.2811



21.0740, 0.4038, 0.3402

Sweetspot

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



21.0749, 0.2805, 0.3851



42.0568, 0.3024, 0.3434



21.9946, 0.3368, 0.4403



9.3838, 0.3015, 0.3447



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.



21.0749, 0.2805, 0.3851



35.9610, 0.2748, 0.4013



21.4906, 0.2576, 0.3270



5.6493, 0.3050, 0.3395



17.1057, 0.2687, 0.4872



0.1166, 0.2479, 0.4126

Inverse Universe

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



12.3677, 0.3648, 0.2797



18.3630, 0.3832, 0.2686



12.0215, 0.4125, 0.3311



5.0854, 0.3212, 0.3187



5.3104, 0.5012, 0.2534



0.0382, 0.4101, 0.2033

Previews

White Background



This preview shows how the Yxy color 21.0740, 0.2805, 0.3851 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 21.0740, 0.2805, 0.3851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

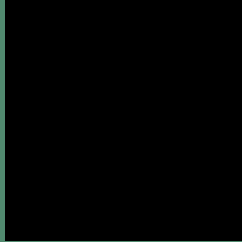
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0740, 0.2805, 0.3851

Background



This preview shows how black text looks on a background with the Yxy color 21.0740, 0.2805, 0.3851.



This preview shows how white text looks on a background with the Yxy color 21.0740, 0.2805, 0.3851.

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

21.0740, 0.2805, 0.3851

Protanopia

20.9282, 0.3455, 0.3673

Deuteranopia

20.9077, 0.3463, 0.3413



Tritanopia

20.9125, 0.2581, 0.3078

Trichromacy



Original Color

21.0740, 0.2805, 0.3851

Protanomaly

20.6042, 0.3187, 0.3737

Deuteranomaly

20.6463, 0.3186, 0.3555

Tritanomaly

20.9723, 0.2661, 0.3348

Monochromacy



Original Color

21.0740, 0.2805, 0.3851

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9083, 0.3000, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0740, 0.2805, 0.3851 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(81, 138, 111)` looks like.

```
.text, #text, p{  
    color:rgb(81, 138, 111)  
}
```

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(81, 138, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 138, 111) }
```

Border

The CSS property to change the border of an element to Yxy 21.0740, 0.2805, 0.3851 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(81, 138, 111) }
```

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

```
.border{ border-color:rgb(81, 138, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 138, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 138, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 138, 111);  
box-shadow:4px 4px 4px 4px rgb(81, 138,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0740, 0.2805, 0.3851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 138, 111) }
```

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

```
.background{ background-color: rgb(81, 138,  
111) }
```

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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