

Converting Colors

$Y_{xy}(21.8074, 0.2787, 0.3973)$

Have a look what the booklet for
Yxy(21.8074, 0.2787, 0.3973)
contains.

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Color

Yxy(21.6904, 0.2785, 0.3958)

Conversions

Conversions Part 1

Format	Color
Hex	4C8D6D
RGB	76, 141, 109
RGB Percent	30%, 55%, 43%
CMY	0.7022, 0.4470, 0.5726
CMYK	0.46, 0.00, 0.23, 0.45
HSL	150°, 30%, 43%
HSV	150°, 46%, 55%
XYZ	15.2622, 21.6904, 17.8488
YIQ	117.9170, -28.4680, -23.7320

Conversions

Conversions Part 2

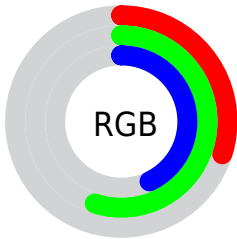
Format	Color
RYB	76, 119, 141
Decimal	5016941
CIELab	53.70, -28.65, 10.71
CIElCh	54, 30.587, 159.505
Yxy	21.6904, 0.2785, 0.3958
Android (android.graphics.Color)	4283207021 (0xFF4C8D6D)
YUV	117.9170, -4.3961, -36.7612
Hunter-Lab	46.5730, -23.0073, 9.8785

Details

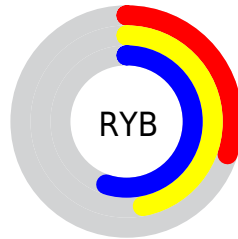
The Yxy color **21.6904, 0.2785, 0.3958** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.9070, 0.3715, 0.2719**, and the grayscale version is **18.1065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1926, 0.2860, 0.3791**, and **7.8198, 0.2636, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **21.0325, 0.2734, 0.4136**, and if you desaturate by 10%, it is **22.4884, 0.2847, 0.3790**.

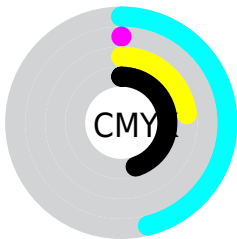
Distribution



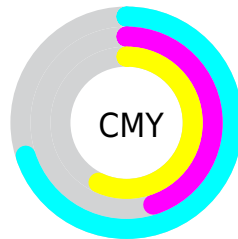
- Red (30%)
- Green (55%)
- Blue (43%)



- Red (30%)
- Yellow (47%)
- Blue (55%)



- Cyan (46%)
- Magenta (0%)
- Yellow (23%)
- Black (45%)



- Cyan (70%)
- Magenta (45%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6904, 0.2785, 0.3958 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 21.6904, 0.2785, 0.3958 by changing the saturation by 10% instead.


 21.6904, 0.2785,
0.3958


 21.6904, 0.2785,
0.3958


260.9252, 0.2985,
0.3567


 13.6296, 0.2722,
0.4081


 46.2338, 0.2866,
0.3799


 7.8635, 0.2632,
0.4260


 63.4851, 0.2894,
0.3745


 4.0077, 0.2491,
0.4541

 84.5687, 0.2916,
0.3701

 1.6779, 0.2233,
0.5051

 109.8691, 0.2935,
0.3665

 0.4093, 0.0000,
1.0000

 139.7705, 0.2950,
0.3634

 0.0000, 0.0000,
0.0000

174.6574, 0.2963,

0.3609

214.9141, 0.2975,
0.3587

■ 21.6904, 0.2785,
0.3958

■ 21.6904, 0.2785,
0.3958

■ 21.0325, 0.2734,
0.4136

■ 22.4884, 0.2847,
0.3790

■ 20.5035, 0.2699,
0.4321

■ 23.4318, 0.2919,
0.3634

■ 20.0946, 0.2680,
0.4510


■ 24.5286, 0.2996,
0.3491

■ 19.7946, 0.2681,
0.4696

■ 25.7857, 0.3077,
0.3362

■ 19.5866, 0.2699,
0.4876

■ 27.2095, 0.3159,
0.3247

 19.5160, 0.2707,
0.4944

 28.8058, 0.3241,
0.3144

 30.5805, 0.3321,
0.3054

 32.5389, 0.3400,
0.2974

 34.6863, 0.3475,
0.2904

Harmonies

Analogous

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



21.6904, 0.3319, 0.4269



21.6904, 0.2785, 0.3958



21.6904, 0.2366, 0.3420

Triad

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



21.6904, 0.2785, 0.3958



21.6904, 0.2419, 0.2421



21.6904, 0.4209, 0.3529

Complementary

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



21.6904, 0.2785, 0.3958



11.9070, 0.3715, 0.2719

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.



21.6904, 0.3929, 0.3102



21.6904, 0.2785, 0.3958



21.6904, 0.2860, 0.2493

Square

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



21.6904, 0.2785, 0.3958



21.6904, 0.2174, 0.2551



21.6904, 0.3417, 0.2735



21.6904, 0.4162, 0.3942

Rectangle

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



21.6904, 0.2785, 0.3958



21.6904, 0.2200, 0.3057



21.6904, 0.3417, 0.2735



21.6904, 0.4150, 0.3384

Sweetspot

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



21.6913, 0.2785, 0.3958



44.3120, 0.3011, 0.3467



22.7922, 0.3401, 0.4541



9.8061, 0.2995, 0.3492



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.



21.6913, 0.2785, 0.3958



37.6556, 0.2734, 0.4137



22.5106, 0.2529, 0.3288



6.0722, 0.3052, 0.3400



17.7952, 0.2705, 0.4938



0.1746, 0.2492, 0.4170

Inverse Universe

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



11.9070, 0.3715, 0.2719



17.9439, 0.3910, 0.2606



11.3461, 0.4316, 0.3294



5.4655, 0.3210, 0.3182



5.5626, 0.4939, 0.2494



0.0576, 0.4054, 0.2007

Previews

White Background



This preview shows how the Yxy color 21.6904, 0.2785, 0.3958 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 21.6904, 0.2785, 0.3958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

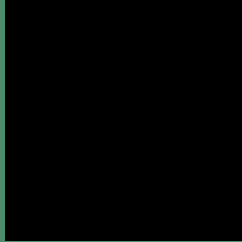
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6904, 0.2785, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 21.6904, 0.2785, 0.3958.



This preview shows how white text looks on a background with the Yxy color 21.6904, 0.2785, 0.3958.

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

21.6904, 0.2785, 0.3958

Protanopia

21.3723, 0.3524, 0.3740

Deuteranopia

21.3779, 0.3522, 0.3464



Tritanopia

21.6933, 0.2542, 0.3079

Trichromacy



Original Color

21.6904, 0.2785, 0.3958

Protanomaly

21.0999, 0.3206, 0.3813

Deuteranomaly

21.1282, 0.3205, 0.3630

Tritanomaly

21.6643, 0.2627, 0.3388

Monochromacy



Original Color

21.6904, 0.2785, 0.3958

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.0431, 0.2978, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6904, 0.2785, 0.3958 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(76, 141, 109)` looks like.

```
.text, #text, p{  
    color:rgb(76, 141, 109)  
}
```

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(76, 141, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 141, 109) }
```

Border

The CSS property to change the border of an element to Yxy 21.6904, 0.2785, 0.3958 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(76, 141, 109) }
```

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

```
.border{ border-color:rgb(76, 141, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 141, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 141, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 141, 109);  
box-shadow:4px 4px 4px 4px rgb(76, 141,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6904, 0.2785, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 141, 109) }
```

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

```
.background{ background-color: rgb(76, 141,  
109) }
```

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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