

Converting Colors

$Y_{xy}(21.8490, 0.2901, 0.4378)$

Have a look what the booklet for
Yxy(21.8490, 0.2901, 0.4378)
contains.

Yxy(21.7953, 0.2897, 0.4377)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.7953, 0.2897, 0.4377)

Conversions

Conversions Part 1

Format	Color
Hex	488F5C
RGB	72, 143, 92
RGB Percent	28%, 56%, 36%
CMY	0.7177, 0.4392, 0.6392
CMYK	0.50, 0.00, 0.36, 0.44
HSL	137°, 33%, 42%
HSV	137°, 50%, 56%
XYZ	14.4256, 21.7953, 13.5741
YIQ	115.9570, -25.9450, -30.9130

Conversions

Conversions Part 2

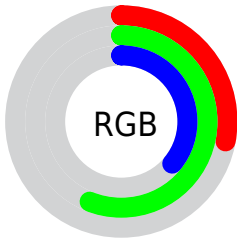
Format	Color
R _Y B	72, 127, 143
Decimal	4755292
CIE Lab	53.81, -34.19, 20.45
CIE LCh	54, 39.842, 149.119
Yxy	21.7953, 0.2897, 0.4377
Android (android.graphics.Color)	4282945372 (0xFF488F5C)
YUV	115.9570, -11.8108, -38.5503
Hunter-Lab	46.6854, -26.5437, 15.4408

Details

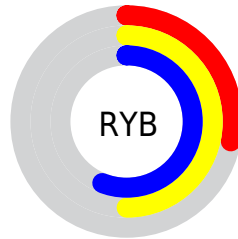
The Yxy color **21.7953, 0.2897, 0.4377** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.9010, 0.3497, 0.2417**, and the grayscale version is **17.4928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2756, 0.2959, 0.4102**, and **7.9371, 0.2767, 0.4900** is the 20% darker color. If you saturate the color by 10%, you get **21.1417, 0.2869, 0.4644**, and if you desaturate by 10%, it is **22.6029, 0.2935, 0.4120**.

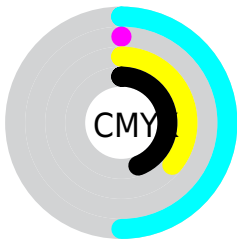
Distribution



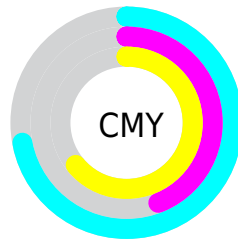
- Red (28%)
- Green (56%)
- Blue (36%)



- Red (28%)
- Yellow (50%)
- Blue (56%)



- Cyan (50%)
- Magenta (0%)
- Yellow (36%)
- Black (44%)





- Cyan (72%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7953, 0.2897, 0.4377 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 21.7953, 0.2897, 0.4377 by changing the saturation by 10% instead.


 21.7953, 0.2897,
0.4377


 21.7953, 0.2897,
0.4377


261.4754, 0.3044,
0.3732


 13.7066, 0.2843,
0.4585


 46.4074, 0.2961,
0.4112

 7.9169, 0.2760,
0.4887


 63.6996, 0.2982,
0.4022


 4.0418, 0.2617,
0.5363

 84.8284, 0.2998,
0.3950

 1.6970, 0.2425,
0.6654

 110.1782, 0.3011,
0.3891

 0.4217, 0.0000,
1.0000

 140.1335, 0.3022,
0.3841

 0.0000, 0.0000,
0.0000

175.0785, 0.3030,

0.3799

215.3976, 0.3038,
0.3763

■ 21.7953, 0.2897,
0.4377

■ 21.7953, 0.2897,
0.4377

■ 21.1417, 0.2869,
0.4644

■ 22.6029, 0.2935,
0.4120

■ 20.6293, 0.2854,
0.4911

■ 23.5709, 0.2979,
0.3880

■ 20.2480, 0.2853,
0.5166


■ 24.7084, 0.3027,
0.3660


■ 19.9847, 0.2867,
0.5398


■ 26.0232, 0.3078,
0.3461


■ 19.8074, 0.2889,
0.5598

■ 27.5226, 0.3129,
0.3285

 19.8020, 0.2890,
0.5604

 29.2134, 0.3179,
0.3129

 31.1021, 0.3227,
0.2992

 33.1949, 0.3273,
0.2873

 35.4977, 0.3317,
0.2769

Harmonies

Analogous

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



21.7953, 0.3588, 0.4610



21.7953, 0.2897, 0.4377



21.7953, 0.2305, 0.3713

Triad

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



21.7953, 0.2897, 0.4377



21.7953, 0.2094, 0.2216



21.7953, 0.4455, 0.3375

Complementary

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



21.7953, 0.2897, 0.4377



11.9010, 0.3497, 0.2417

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.



21.7953, 0.3959, 0.2869



21.7953, 0.2897, 0.4377



21.7953, 0.2559, 0.2233

Square

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



21.7953, 0.2897, 0.4377



21.7953, 0.1888, 0.2454



21.7953, 0.3236, 0.2465



21.7953, 0.4527, 0.3910

Rectangle

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



21.7953, 0.2897, 0.4377



21.7953, 0.2041, 0.3206



21.7953, 0.3236, 0.2465



21.7953, 0.4331, 0.3200

Sweetspot

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



21.7962, 0.2897, 0.4377



45.2302, 0.3049, 0.3570



24.4039, 0.3608, 0.4558



10.2725, 0.3040, 0.3609



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.7962, 0.2897, 0.4377



37.6951, 0.2866, 0.4687



22.5408, 0.2618, 0.3624



6.0528, 0.3080, 0.3452



17.5106, 0.2888, 0.5595



0.1708, 0.2668, 0.4803

Inverse Universe

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



11.9010, 0.3497, 0.2417



17.7717, 0.3618, 0.2244



11.1854, 0.4135, 0.2998



5.4854, 0.3177, 0.3133



6.0269, 0.4053, 0.2006



0.0614, 0.3594, 0.1753

Previews

White Background



This preview shows how the Yxy color 21.7953, 0.2897, 0.4377 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 21.7953, 0.2897, 0.4377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

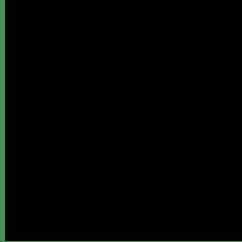
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7953, 0.2897, 0.4377

Background



This preview shows how black text looks on a background with the Yxy color 21.7953, 0.2897, 0.4377.



This preview shows how white text looks on a background with the Yxy color 21.7953, 0.2897, 0.4377.

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

21.7953, 0.2897, 0.4377

Protanopia

21.5992, 0.3743, 0.4033

Deuteranopia

21.6083, 0.3798, 0.3730



Tritanopia

21.6462, 0.2534, 0.3079

Trichromacy



Original Color

21.7953, 0.2897, 0.4377

Protanomaly

21.1245, 0.3393, 0.4163

Deuteranomaly

20.9291, 0.3416, 0.3955

Tritanomaly

21.7030, 0.2663, 0.3530

Monochromacy



Original Color

21.7953, 0.2897, 0.4377

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.6926, 0.3027, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7953, 0.2897, 0.4377 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(72, 143, 92)` looks like.

```
.text, #text, p{  
    color:rgb(72, 143, 92)  
}
```

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(72, 143, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 143, 92) }
```

Border

The CSS property to change the border of an element to Yxy 21.7953, 0.2897, 0.4377 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(72, 143, 92) }
```

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

```
.border{ border-color:rgb(72, 143, 92) }
```

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

Here you see how a box with a 4 pixel rgb(72, 143, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 143, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 143, 92);  
box-shadow:4px 4px 4px 4px rgb(72, 143,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7953, 0.2897, 0.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 143, 92) }
```

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

```
.background{ background-color: rgb(72, 143,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor