

Converting Colors

$Y_{xy}(20.7073, 0.2902, 0.3981)$

Have a look what the booklet for
Yxy(20.7073, 0.2902, 0.3981)
contains.

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Color

Yxy(20.8221, 0.2903, 0.3979)

Conversions

Conversions Part 1

Format	Color
Hex	558968
RGB	85, 137, 104
RGB Percent	33%, 54%, 41%
CMY	0.6666, 0.4627, 0.5921
CMYK	0.38, 0.00, 0.24, 0.46
HSL	142°, 23%, 44%
HSV	142°, 38%, 54%
XYZ	15.1914, 20.8221, 16.3165
YIQ	117.6900, -20.3990, -21.2870

Conversions

Conversions Part 2

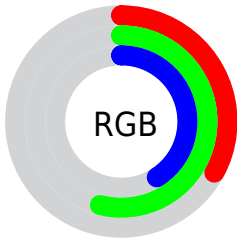
Format	Color
RYB	85, 123, 137
Decimal	5605736
CIELab	52.75, -25.01, 12.31
CIElCh	53, 27.874, 153.791
Yxy	20.8221, 0.2903, 0.3979
Android (android.graphics.Color)	4283795816 (0xFF558968)
YUV	117.6900, -6.7492, -28.6691
Hunter-Lab	45.6312, -20.4291, 10.7414

Details

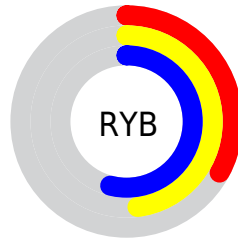
The Yxy color **20.8221, 0.2903, 0.3979** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.1249, 0.3454, 0.2692**, and the grayscale version is **18.0421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9465, 0.2963, 0.3820**, and **7.4691, 0.2787, 0.4301** is the 20% darker color. If you saturate the color by 10%, you get **20.0749, 0.2856, 0.4202**, and if you desaturate by 10%, it is **21.7135, 0.2957, 0.3772**.

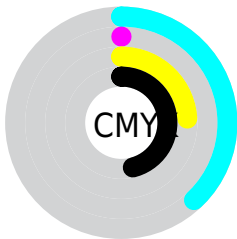
Distribution



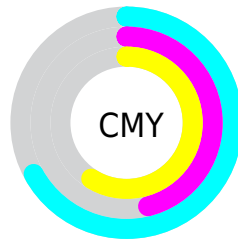
- Red (33%)
- Green (54%)
- Blue (41%)



- Red (33%)
- Yellow (48%)
- Blue (54%)



- Cyan (38%)
- Magenta (0%)
- Yellow (24%)
- Black (46%)





- Cyan (67%)
- Magenta (46%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8221, 0.2903, 0.3979 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 20.8221, 0.2903, 0.3979 by changing the saturation by 10% instead.


 20.8221, 0.2903,
0.3979


 20.8221, 0.2903,
0.3979


256.3315, 0.3037,
0.3573


 12.9940, 0.2859,
0.4109


 44.7913, 0.2959,
0.3813

 7.4244, 0.2793,
0.4297


 61.7012, 0.2978,
0.3757


 3.7289, 0.2686,
0.4597

 82.4071, 0.2993,
0.3711

 1.5231, 0.2496,
0.5196

 107.2935, 0.3005,
0.3674

 0.3049, 0.0000,
1.0000

 136.7448, 0.3015,
0.3643

 0.0000, 0.0000,
0.0000

171.1452, 0.3024,

0.3616

210.8794, 0.3031,
0.3593

■ 20.8221, 0.2903,
0.3979

■ 20.8221, 0.2903,
0.3979

■ 20.0749, 0.2856,
0.4202

■ 21.7135, 0.2957,
0.3772

■ 19.4614, 0.2820,
0.4436

■ 22.7535, 0.3016,
0.3583

■ 18.9741, 0.2797,
0.4675


■ 23.9497, 0.3078,
0.3412

■ 18.6033, 0.2791,
0.4912


■ 25.3083, 0.3140,
0.3260

■ 18.3383, 0.2801,
0.5137


■ 26.8352, 0.3201,
0.3126

 18.1563, 0.2824,
0.5343

 28.5361, 0.3261,
0.3007

 18.1225, 0.2829,
0.5383

 30.4162, 0.3318,
0.2904

 32.4807, 0.3373,
0.2813

 34.7344, 0.3425,
0.2734

Harmonies

Analogous

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



20.8221, 0.3405, 0.4209



20.8221, 0.2903, 0.3979



20.8221, 0.2483, 0.3512

Triad

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



20.8221, 0.2903, 0.3979



20.8221, 0.2410, 0.2489



20.8221, 0.4099, 0.3441

Complementary

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



20.8221, 0.2903, 0.3979



13.1249, 0.3454, 0.2692

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.



20.8221, 0.3789, 0.3046



20.8221, 0.2903, 0.3979



20.8221, 0.2792, 0.2520

Square

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



20.8221, 0.2903, 0.3979



20.8221, 0.2220, 0.2652



20.8221, 0.3297, 0.2720



20.8221, 0.4117, 0.3833

Rectangle

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



20.8221, 0.2903, 0.3979



20.8221, 0.2300, 0.3170



20.8221, 0.3297, 0.2720



20.8221, 0.4025, 0.3306

Sweetspot

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



20.8230, 0.2903, 0.3979



42.1519, 0.3057, 0.3466



22.4557, 0.3454, 0.4270



9.3988, 0.3050, 0.3486



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.



20.8230, 0.2903, 0.3979



36.0646, 0.2860, 0.4180



21.4137, 0.2681, 0.3444



5.6365, 0.3070, 0.3432



16.8829, 0.2827, 0.5378



0.1148, 0.2596, 0.4545

Inverse Universe

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



13.1249, 0.3454, 0.2692



20.1152, 0.3562, 0.2552



12.6037, 0.3877, 0.3146



5.0985, 0.3189, 0.3152



5.5965, 0.4361, 0.2176



0.0400, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 20.8221, 0.2903, 0.3979 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 20.8221, 0.2903, 0.3979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

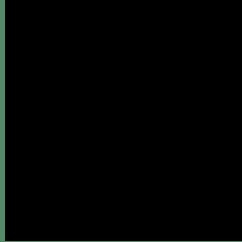
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8221, 0.2903, 0.3979

Background



This preview shows how black text looks on a background with the Yxy color 20.8221, 0.2903, 0.3979.



This preview shows how white text looks on a background with the Yxy color 20.8221, 0.2903, 0.3979.

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

20.8221, 0.2903, 0.3979

Protanopia

20.5356, 0.3541, 0.3785

Deuteranopia

20.6867, 0.3579, 0.3518



Tritanopia

20.7827, 0.2630, 0.3097

Trichromacy



Original Color

20.8221, 0.2903, 0.3979

Protanomaly

20.3336, 0.3289, 0.3854

Deuteranomaly

20.4512, 0.3303, 0.3668

Tritanomaly

20.7824, 0.2729, 0.3408

Monochromacy



Original Color

20.8221, 0.2903, 0.3979

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9237, 0.3033, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8221, 0.2903, 0.3979 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(85, 137, 104)` looks like.

```
.text, #text, p{  
  color:rgb(85, 137, 104)  
}
```

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(85, 137, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 137, 104) }
```

Border

The CSS property to change the border of an element to Yxy 20.8221, 0.2903, 0.3979 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(85, 137, 104) }
```

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

```
.border{ border-color:rgb(85, 137, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 137, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 137, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 137, 104);  
box-shadow:4px 4px 4px 4px rgb(85, 137,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8221, 0.2903, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 137, 104) }
```

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

```
.background{ background-color: rgb(85, 137,  
104) }
```

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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