

Converting Colors

$Y_{xy}(19.7629, 0.2917, 0.3942)$

Have a look what the booklet for
Yxy(19.7629, 0.2917, 0.3942)
contains.

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Color

Yxy(19.6856, 0.2909, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	558567
RGB	85, 133, 103
RGB Percent	33%, 52%, 40%
CMY	0.6666, 0.4784, 0.5961
CMYK	0.36, 0.00, 0.23, 0.48
HSL	142°, 22%, 43%
HSV	142°, 36%, 52%
XYZ	14.5825, 19.6856, 15.8608
YIQ	115.2280, -18.9780, -19.5060

Conversions

Conversions Part 2

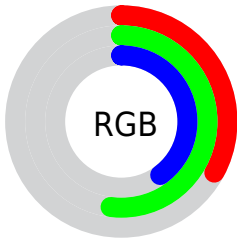
Format	Color
RYB	85, 120, 133
Decimal	5604711
CIELab	51.48, -23.19, 11.11
CIElCh	51, 25.715, 154.399
Yxy	19.6856, 0.2909, 0.3927
Android (android.graphics.Color)	4283794791 (0xFF558567)
YUV	115.2280, -6.0284, -26.5100
Hunter-Lab	44.3685, -18.9776, 9.8630

Details

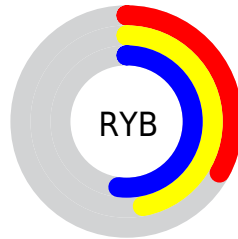
The Yxy color **19.6856, 0.2909, 0.3927** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.7241, 0.3439, 0.2732**, and the grayscale version is **17.2412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6851, 0.2961, 0.3768**, and **6.8471, 0.2798, 0.4225** is the 20% darker color. If you saturate the color by 10%, you get **18.9624, 0.2860, 0.4143**, and if you desaturate by 10%, it is **20.5440, 0.2965, 0.3727**.

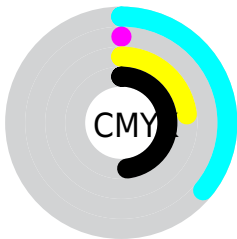
Distribution



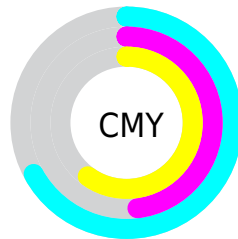
- Red (33%)
- Green (52%)
- Blue (40%)



- Red (33%)
- Yellow (47%)
- Blue (52%)



- Cyan (36%)
- Magenta (0%)
- Yellow (23%)
- Black (48%)



- Cyan (67%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6856, 0.2909, 0.3927 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 19.6856, 0.2909, 0.3927 by changing the saturation by 10% instead.

■ 19.6856, 0.2909,
0.3927

■ 19.6856, 0.2909,
0.3927

■ 250.2080, 0.3040,
0.3550

■ 12.1667, 0.2866,
0.4049

■ 42.8894, 0.2963,
0.3772

■ 6.8573, 0.2801,
0.4227

■ 59.3432, 0.2982,
0.3720

■ 3.3730, 0.2695,
0.4514

■ 79.5440, 0.2996,
0.3678

■ 1.3294, 0.2489,
0.5156

■ 103.8763, 0.3008,
0.3643

■ 0.1638, 0.0000,
1.0000

■ 132.7244, 0.3018,
0.3614

■ 0.0000, 0.0000,
0.0000

166.4728, 0.3027,

0.3589

205.5059, 0.3034,
0.3568

■ 19.6856, 0.2909,
0.3927

■ 19.6856, 0.2909,
0.3927

■ 18.9624, 0.2860,
0.4143

■ 20.5440, 0.2965,
0.3727

■ 18.3650, 0.2821,
0.4371

■ 21.5418, 0.3026,
0.3545

■ 17.8865, 0.2794,
0.4606

■ 22.6859, 0.3089,
0.3381


■ 17.5182, 0.2784,
0.4840

■ 23.9819, 0.3152,
0.3235

■ 17.2503, 0.2790,
0.5066

■ 25.4353, 0.3214,
0.3106


 17.0669, 0.2812,
0.5274

 27.0512, 0.3275,
0.2992

 17.0042, 0.2820,
0.5352

 28.8346, 0.3333,
0.2892

 30.7900, 0.3388,
0.2805

 32.9221, 0.3441,
0.2729

Harmonies

Analogous

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



19.6856, 0.3382, 0.4149



19.6856, 0.2909, 0.3927



19.6856, 0.2515, 0.3489

Triad

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



19.6856, 0.2909, 0.3927



19.6856, 0.2456, 0.2532



19.6856, 0.4043, 0.3444

Complementary

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



19.6856, 0.2909, 0.3927



12.7241, 0.3439, 0.2732

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.



19.6856, 0.3758, 0.3068



19.6856, 0.2909, 0.3927



19.6856, 0.2821, 0.2564

Square

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



19.6856, 0.2909, 0.3927



19.6856, 0.2271, 0.2685



19.6856, 0.3298, 0.2756



19.6856, 0.4056, 0.3813

Rectangle

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



19.6856, 0.2909, 0.3927



19.6856, 0.2343, 0.3171



19.6856, 0.3298, 0.2756



19.6856, 0.3976, 0.3316

Sweetspot

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



19.6864, 0.2909, 0.3927



39.5327, 0.3056, 0.3463



21.1039, 0.3429, 0.4219



8.8552, 0.3049, 0.3482



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.



19.6864, 0.2909, 0.3927



34.2107, 0.2869, 0.4096



20.2293, 0.2694, 0.3418



5.2315, 0.3069, 0.3429



16.1980, 0.2819, 0.5348



0.0574, 0.2588, 0.4518

Inverse Universe

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



12.7241, 0.3439, 0.2732



19.8816, 0.3533, 0.2609



12.2482, 0.3837, 0.3169



4.7340, 0.3190, 0.3155



5.3488, 0.4394, 0.2194



0.0199, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 19.6856, 0.2909, 0.3927 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 19.6856, 0.2909, 0.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

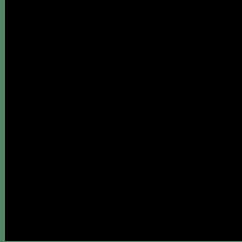
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6856, 0.2909, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 19.6856, 0.2909, 0.3927.



This preview shows how white text looks on a background with the Yxy color 19.6856, 0.2909, 0.3927.

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

19.6856, 0.2909, 0.3927

Protanopia

19.5467, 0.3514, 0.3739

Deuteranopia

19.5729, 0.3563, 0.3506



Tritanopia

19.6296, 0.2646, 0.3074

Trichromacy



Original Color

19.6856, 0.2909, 0.3927

Protanomaly

19.4192, 0.3272, 0.3804

Deuteranomaly

19.1789, 0.3297, 0.3639

Tritanomaly

19.6453, 0.2738, 0.3370

Monochromacy



Original Color

19.6856, 0.2909, 0.3927

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.0098, 0.3032, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6856, 0.2909, 0.3927 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, 133, 103)` looks like.

```
.text, #text, p{  
    color:rgb(85, 133, 103)  
}
```

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, 133, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 133, 103) }
```

Border

The CSS property to change the border of an element to Yxy 19.6856, 0.2909, 0.3927 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, 133, 103) }
```

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

```
.border{ border-color:rgb(85, 133, 103) }
```

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

Here you see how a box with a 4 pixel rgb(85, 133, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 133, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 133, 103);  
box-shadow:4px 4px 4px 4px rgb(85, 133,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6856, 0.2909, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 133, 103) }
```

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

```
.background{ background-color: rgb(85, 133,  
103) }
```

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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