

Converting Colors

$Y_{xy}(19.6532, 0.2700, 0.3801)$

Have a look what the booklet for
Yxy(19.6532, 0.2700, 0.3801)
contains.

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Color

Yxy(19.7409, 0.2698, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	45876F
RGB	69, 135, 111
RGB Percent	27%, 53%, 44%
CMY	0.7295, 0.4706, 0.5647
CMYK	0.49, 0.00, 0.18, 0.47
HSL	158°, 32%, 40%
HSV	158°, 49%, 53%
XYZ	13.9866, 19.7409, 18.1131
YIQ	112.5300, -31.6320, -21.4560

Conversions

Conversions Part 2

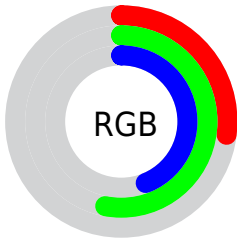
Format	Color
R _{YB}	69, 109, 135
Decimal	4556655
CIE _{Lab}	51.54, -27.16, 6.46
CIE _{LCh}	52, 27.917, 166.624
Yxy	19.7409, 0.2698, 0.3808
Android (android.graphics.Color)	4282746735 (0xFF45876F)
YUV	112.5300, -0.7543, -38.1758
Hunter-Lab	44.4307, -21.5628, 6.9307

Details

The Yxy color **19.7409, 0.2698, 0.3808** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.1954, 0.3930, 0.2843**, and the grayscale version is **16.3757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1045, 0.2793, 0.3683**, and **6.9270, 0.2516, 0.4069** is the 20% darker color. If you saturate the color by 10%, you get **19.1979, 0.2640, 0.3937**, and if you desaturate by 10%, it is **20.4038, 0.2770, 0.3685**.

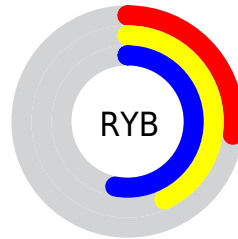
Distribution



Red (27%)

Green (53%)

Blue (44%)



Red (27%)

Yellow (43%)

Blue (53%)

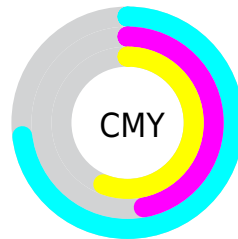


Cyan (49%)

Magenta (0%)

Yellow (18%)

Black (47%)



Cyan (73%)

Magenta (47%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7409, 0.2698, 0.3808 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 19.7409, 0.2698, 0.3808 by changing the saturation by 10% instead.

■ 19.7409, 0.2698,
0.3808

■ 19.7409, 0.2698,
0.3808

■ 250.5090, 0.2947,
0.3504

■ 12.2068, 0.2621,
0.3905

■ 42.9824, 0.2798,
0.3684

■ 6.8847, 0.2510,
0.4046

■ 59.4585, 0.2833,
0.3642

■ 3.3901, 0.2339,
0.4270

■ 79.6842, 0.2861,
0.3608

■ 1.3386, 0.1949,
0.4730

■ 104.0438, 0.2884,
0.3580

■ 0.1708, 0.0000,
1.0000

■ 132.9217, 0.2903,
0.3556

■ 0.0000, 0.0000,
0.0000

166.7022, 0.2920,

0.3536

205.7699, 0.2934,
0.3519

■ 19.7409, 0.2698,
0.3808

■ 19.7409, 0.2698,
0.3808

■ 19.1979, 0.2640,
0.3937

■ 20.4038, 0.2770,
0.3685

■ 18.7645, 0.2598,
0.4071

■ 21.1913, 0.2852,
0.3571

■ 18.4328, 0.2575,
0.4207


■ 22.1106, 0.2943,
0.3465


■ 18.1925, 0.2570,
0.4343

■ 23.1679, 0.3039,
0.3368

■ 18.0183, 0.2580,
0.4478


■ 24.3689, 0.3138,
0.3281

 18.0001, 0.2582,
0.4493

 25.7187, 0.3238,
0.3203

 27.2226, 0.3338,
0.3133

 28.8854, 0.3437,
0.3071

 30.7117, 0.3532,
0.3017

Harmonies

Analogous

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



19.7409, 0.3189, 0.4167



19.7409, 0.2698, 0.3808



19.7409, 0.2341, 0.3289

Triad

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



19.7409, 0.2698, 0.3808



19.7409, 0.2542, 0.2466



19.7409, 0.4164, 0.3618

Complementary

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



19.7409, 0.2698, 0.3808



10.1954, 0.3930, 0.2843

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.



19.7409, 0.3969, 0.3208



19.7409, 0.2698, 0.3808



19.7409, 0.2996, 0.2575

Square

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



19.7409, 0.2698, 0.3808



19.7409, 0.2261, 0.2544



19.7409, 0.3526, 0.2839



19.7409, 0.4051, 0.3990

Rectangle

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



19.7409, 0.2698, 0.3808



19.7409, 0.2216, 0.2964



19.7409, 0.3526, 0.2839



19.7409, 0.4133, 0.3481

Sweetspot

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



19.7417, 0.2698, 0.3808



40.2394, 0.2977, 0.3429



20.0959, 0.3310, 0.4660



9.2410, 0.2959, 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.



19.7417, 0.2698, 0.3808



34.2553, 0.2633, 0.3956



17.9874, 0.2470, 0.3104



5.2509, 0.3037, 0.3370



16.5996, 0.2580, 0.4489



0.0589, 0.2413, 0.3888

Inverse Universe

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



10.1954, 0.3930, 0.2843



15.0002, 0.4231, 0.2756



10.9991, 0.4332, 0.3459



4.7146, 0.3227, 0.3211



4.9572, 0.5452, 0.2777



0.0185, 0.4419, 0.2208

Previews

White Background



This preview shows how the Yxy color 19.7409, 0.2698, 0.3808 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 19.7409, 0.2698, 0.3808 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 19.7409, 0.2698, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 19.7409, 0.2698, 0.3808.



This preview shows how white text looks on a background with the Yxy color 19.7409, 0.2698, 0.3808.

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

19.7409, 0.2698, 0.3808

Protanopia

19.5077, 0.3415, 0.3629

Deuteranopia

19.5130, 0.3409, 0.3345



Tritanopia

19.7754, 0.2510, 0.3089

Trichromacy



Original Color

19.7409, 0.2698, 0.3808

Protanomaly

19.3661, 0.3108, 0.3692

Deuteranomaly

19.0750, 0.3094, 0.3486

Tritanomaly

19.6101, 0.2578, 0.3330

Monochromacy



Original Color

19.7409, 0.2698, 0.3808

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.3860, 0.2939, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7409, 0.2698, 0.3808 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(69, 135, 111)` looks like.

```
.text, #text, p{  
    color:rgb(69, 135, 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(69, 135, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 135, 111) }
```

Border

The CSS property to change the border of an element to Yxy 19.7409, 0.2698, 0.3808 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(69, 135, 111) }
```

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

```
.border{ border-color:rgb(69, 135, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 135, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 135, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 135, 111);  
box-shadow:4px 4px 4px 4px rgb(69, 135,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7409, 0.2698, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 135, 111) }
```

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

```
.background{ background-color: rgb(69, 135,  
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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