

Converting Colors

$Y_{xy}(19.1661, 0.2701, 0.3791)$

Have a look what the booklet for
Yxy(19.1661, 0.2701, 0.3791)
contains.

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Color

Yxy(19.1661, 0.2701, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	45856E
RGB	69, 133, 110
RGB Percent	27%, 52%, 43%
CMY	0.7295, 0.4784, 0.5686
CMYK	0.48, 0.00, 0.17, 0.48
HSL	158°, 32%, 40%
HSV	158°, 48%, 52%
XYZ	13.6554, 19.1661, 17.7353
YIQ	111.2420, -30.7610, -20.7210

Conversions

Conversions Part 2

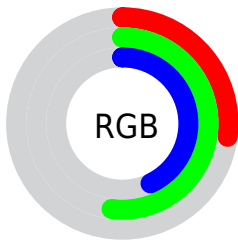
Format	Color
R_{YB}	69, 108, 133
Decimal	4556142
CIE _{Lab}	50.88, -26.41, 6.09
CIE _{LCh}	51, 27.099, 167.020
Yxy	19.1661, 0.2701, 0.3791
Android (android.graphics.Color)	4282746222 (0xFF45856E)
YUV	111.2420, -0.6123, -37.0462
Hunter-Lab	43.7791, -20.9364, 6.6264

Details

The Yxy color **19.1661, 0.2701, 0.3791** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0122, 0.3915, 0.2855**, and the grayscale version is **15.9777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2142, 0.2797, 0.3670**, and **6.6125, 0.2517, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **18.6327, 0.2642, 0.3918**, and if you desaturate by 10%, it is **19.8157, 0.2774, 0.3671**.

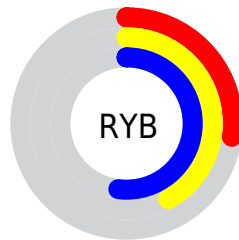
Distribution



Red (27%)

Green (52%)

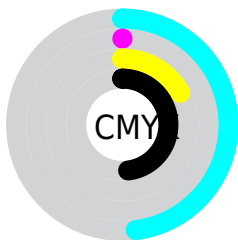
Blue (43%)



Red (27%)

Yellow (42%)

Blue (52%)

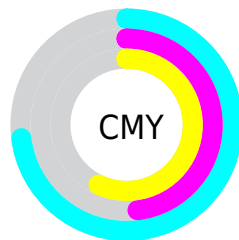


Cyan (48%)

Magenta (0%)

Yellow (17%)

Black (48%)



Cyan (73%)

Magenta (48%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1661, 0.2701, 0.3791 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 19.1661, 0.2701, 0.3791 by changing the saturation by 10% instead.

■ 19.1661, 0.2701,
0.3791

■ 19.1661, 0.2701,
0.3791

■ 247.3642, 0.2949,
0.3496

■ 11.7904, 0.2624,
0.3885

■ 42.0146, 0.2801,
0.3670

■ 6.6011, 0.2512,
0.4024

■ 58.2561, 0.2836,
0.3629

■ 3.2139, 0.2339,
0.4244

■ 78.2217, 0.2863,
0.3596

■ 1.2444, 0.1902,
0.4730

■ 102.2957, 0.2886,
0.3569

■ 0.0975, 0.0000,
1.0000

■ 130.8626, 0.2906,
0.3546

■ 0.0000, 0.0000,
0.0000

164.3067, 0.2922,

0.3527

203.0124, 0.2936,
0.3510

■ 19.1661, 0.2701,
0.3791

■ 19.1661, 0.2701,
0.3791

■ 18.6327, 0.2642,
0.3918

■ 19.8157, 0.2774,
0.3671

■ 18.2057, 0.2598,
0.4049

■ 20.5859, 0.2858,
0.3558

■ 17.8775, 0.2573,
0.4183

■ 21.4837, 0.2949,
0.3455

■ 17.6385, 0.2566,
0.4318

■ 22.5151, 0.3046,
0.3360

■ 17.4665, 0.2575,
0.4451

■ 23.6853, 0.3146,
0.3275

■ 17.4363, 0.2577,
0.4476

■ 24.9996, 0.3247,
0.3198

■ 26.4627, 0.3347,
0.3130

■ 28.0794, 0.3446,
0.3070

■ 29.8541, 0.3542,
0.3017

Harmonies

Analogous

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



19.1661, 0.3182, 0.4145



19.1661, 0.2701, 0.3791



19.1661, 0.2352, 0.3283

Triad

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



19.1661, 0.2701, 0.3791



19.1661, 0.2558, 0.2481



19.1661, 0.4144, 0.3619

Complementary

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



19.1661, 0.2701, 0.3791



10.0122, 0.3915, 0.2855

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.



19.1661, 0.3957, 0.3216



19.1661, 0.2701, 0.3791



19.1661, 0.3005, 0.2590

Square

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



19.1661, 0.2701, 0.3791



19.1661, 0.2279, 0.2556



19.1661, 0.3525, 0.2852



19.1661, 0.4030, 0.3983

Rectangle

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



19.1661, 0.2701, 0.3791



19.1661, 0.2231, 0.2966



19.1661, 0.3525, 0.2852



19.1661, 0.4115, 0.3484

Sweetspot

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



19.1669, 0.2701, 0.3791



39.1471, 0.2986, 0.3418



19.5045, 0.3308, 0.4635



8.7443, 0.2968, 0.3435



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.



19.1669, 0.2701, 0.3791



33.2650, 0.2636, 0.3933



17.4907, 0.2479, 0.3108



5.2512, 0.3036, 0.3369



16.6086, 0.2576, 0.4473



0.0589, 0.2411, 0.3879

Inverse Universe

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



10.0122, 0.3915, 0.2855



14.7752, 0.4209, 0.2770



10.7960, 0.4302, 0.3456



4.7143, 0.3227, 0.3212



4.9526, 0.5469, 0.2786



0.0185, 0.4434, 0.2216

Previews

White Background



This preview shows how the Yxy color 19.1661, 0.2701, 0.3791 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 19.1661, 0.2701, 0.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

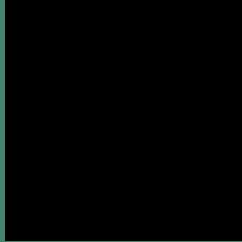
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1661, 0.2701, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 19.1661, 0.2701, 0.3791.



This preview shows how white text looks on a background with the Yxy color 19.1661, 0.2701, 0.3791.

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

19.1661, 0.2701, 0.3791

Protanopia

18.9242, 0.3420, 0.3613

Deuteranopia

18.8566, 0.3401, 0.3327



Tritanopia

19.1424, 0.2511, 0.3087

Trichromacy



Original Color

19.1661, 0.2701, 0.3791

Protanomaly

18.7720, 0.3109, 0.3676

Deuteranomaly

18.4908, 0.3094, 0.3469

Tritanomaly

18.9796, 0.2580, 0.3330

Monochromacy



Original Color

19.1661, 0.2701, 0.3791

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.8281, 0.2937, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1661, 0.2701, 0.3791 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, 133, 110)` looks like.

```
.text, #text, p{  
    color:rgb(69, 133, 110)  
}
```

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, 133, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 133, 110) }
```

Border

The CSS property to change the border of an element to Yxy 19.1661, 0.2701, 0.3791 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, 133, 110) }
```

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

```
.border{ border-color:rgb(69, 133, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 133, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 133, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 133, 110);  
box-shadow:4px 4px 4px 4px rgb(69, 133,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1661, 0.2701, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 133, 110) }
```

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

```
.background{ background-color: rgb(69, 133,  
110) }
```

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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