

Converting Colors

$Y_{xy}(17.9583, 0.2890, 0.1844)$

Have a look what the booklet for
Yxy(17.9583, 0.2890, 0.1844)
contains.

Yxy(18.0551, 0.2893, 0.1851)	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(18.0551, 0.2893, 0.1851)

Conversions

Conversions Part 1

Format	Color
Hex	A653BF
RGB	166, 83, 191
RGB Percent	65%, 33%, 75%
CMY	0.3490, 0.6744, 0.2511
CMYK	0.13, 0.57, 0.00, 0.25
HSL	286°, 46%, 54%
HSV	286°, 57%, 75%
XYZ	28.2190, 18.0551, 51.2683
YIQ	120.1290, 14.8000, 51.1840

Conversions

Conversions Part 2

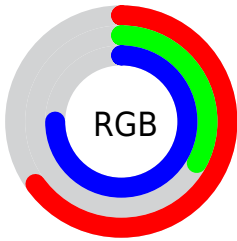
Format	Color
R_{YB}	166, 83, 191
Decimal	10900415
CIE _{Lab}	49.56, 50.96, -42.55
CIE _{LCh}	50, 66.391, 320.136
Yxy	18.0551, 0.2893, 0.1851
Android (android.graphics.Color)	4289090495 (0xFFA653BF)
YUV	120.1290, 34.9394, 40.2289
Hunter-Lab	42.4913, 44.1844, -41.7930

Details

The Yxy color **18.0551, 0.2893, 0.1851** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **41.0594, 0.3210, 0.4998**, and the grayscale version is **18.7100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0736, 0.2959, 0.2111**, and **6.0644, 0.2753, 0.1451** is the 20% darker color. If you saturate the color by 10%, you get **15.0552, 0.2834, 0.1638**, and if you desaturate by 10%, it is **21.8776, 0.2948, 0.2092**.

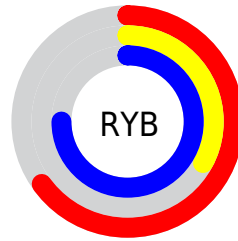
Distribution



Red (65%)

Green (33%)

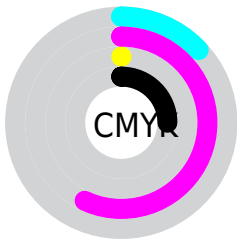
Blue (75%)



Red (65%)

Yellow (33%)

Blue (75%)

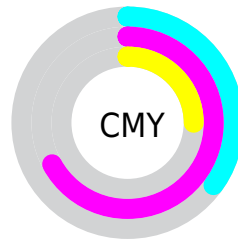


Cyan (13%)

Magenta (57%)

Yellow (0%)

Black (25%)



Cyan (35%)


Magenta (67%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0551, 0.2893, 0.1851 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 18.0551, 0.2893, 0.1851 by changing the saturation by 10% instead.


 18.0551, 0.2893,
0.1851


 18.0551, 0.2893,
0.1851


241.1814, 0.3053,
0.2579


 10.9896, 0.2837,
0.1674


 40.1312, 0.2963,
0.2114


 6.0598, 0.2757,
0.1452


 55.9105, 0.2985,
0.2213

 2.8815, 0.2632,
0.1171


 75.3632, 0.3003,
0.2298

 1.0702, 0.2429,
0.0817

 98.8737, 0.3017,
0.2370

 0.0000, 0.2157,
0.0000

 126.8264, 0.3029,
0.2433

 0.0000, 0.0702,
0.0000

159.6057, 0.3039,

 0.0000, 0.0000,

0.2488

0.0000

197.5959, 0.3047,
0.2536

■ 18.0551, 0.2893,
0.1851

■ 18.0551, 0.2893,
0.1851

■ 15.0552, 0.2834,
0.1638

■ 21.8776, 0.2948,
0.2092

■ 12.8077, 0.2772,
0.1463

■ 26.5807, 0.2998,
0.2350

■ 11.2341, 0.2710,
0.1332

■ 32.2198, 0.3041,
0.2615

■ 10.2302, 0.2649,
0.1246

■ 38.8450, 0.3079,
0.2878

■ 9.9437, 0.2628,
0.1222

■ 46.5028, 0.3110,
0.3132

■ 55.2368, 0.3135,
0.3372

■ 65.0880, 0.3156,
0.3595

■ 76.0952, 0.3172,
0.3801

■ 88.2954, 0.3185,
0.3988

Harmonies

Analogous

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



18.0551, 0.1915, 0.1596



18.0551, 0.2893, 0.1851



18.0551, 0.4200, 0.2366

Triad

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



18.0551, 0.2893, 0.1851



18.0551, 0.4973, 0.4648



18.0551, 0.1347, 0.2992

Complementary

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



18.0551, 0.2893, 0.1851



41.0594, 0.3210, 0.4998

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.



18.0551, 0.1940, 0.4497



18.0551, 0.2893, 0.1851



18.0551, 0.4019, 0.5446

Square

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



18.0551, 0.2893, 0.1851



18.0551, 0.5509, 0.3805



18.0551, 0.2928, 0.5595



18.0551, 0.1187, 0.2038

Rectangle

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



18.0551, 0.2893, 0.1851



18.0551, 0.4985, 0.2810



18.0551, 0.2928, 0.5595



18.0551, 0.1492, 0.3455

Sweetspot

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



18.0559, 0.2893, 0.1851



68.6555, 0.3076, 0.2859



16.3686, 0.2130, 0.1899



14.5200, 0.3069, 0.2806



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



18.0559, 0.2893, 0.1851



25.8248, 0.2818, 0.1590



19.8764, 0.3557, 0.2273



9.5820, 0.3102, 0.3061



6.5752, 0.2636, 0.1226



0.2852, 0.2781, 0.1306

Inverse Universe

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



18.3439, 0.4406, 0.2963



26.7612, 0.4881, 0.2931



40.2523, 0.2883, 0.4623



9.5716, 0.3253, 0.3237



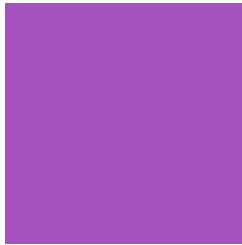
7.4102, 0.5960, 0.3057



0.3006, 0.5272, 0.2678

Previews

White Background



This preview shows how the Yxy color 18.0551, 0.2893, 0.1851 looks on a white background.

Color Contrast Check

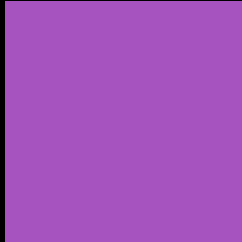
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.0551, 0.2893, 0.1851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

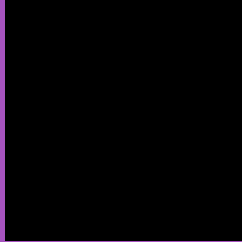
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0551, 0.2893, 0.1851

Background



This preview shows how black text looks on a background with the Yxy color 18.0551, 0.2893, 0.1851.



This preview shows how white text looks on a background with the Yxy color 18.0551, 0.2893, 0.1851.

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

18.0551, 0.2893, 0.1851

Protanopia

18.5061, 0.1915, 0.1674

Deuteranopia

18.2566, 0.2204, 0.2152



Tritanopia

18.0390, 0.3746, 0.3158

Trichromacy



Original Color

18.0551, 0.2893, 0.1851



Protanomaly

17.0630, 0.2133, 0.1674



Deuteranomaly

17.2017, 0.2387, 0.1971



Tritanomaly

17.6598, 0.3408, 0.2585

Monochromacy



Original Color

18.0551, 0.2893, 0.1851



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.9091, 0.3043, 0.2625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0551, 0.2893, 0.1851 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(166, 83, 191)` looks like.

```
.text, #text, p{  
    color:rgb(166, 83, 191)  
}
```

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(166, 83, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 83, 191) }
```

Border

The CSS property to change the border of an element to Yxy 18.0551, 0.2893, 0.1851 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(166, 83, 191) }
```

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

```
.border{ border-color:rgb(166, 83, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 83, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 83, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 83, 191);  
box-shadow:4px 4px 4px 4px rgb(166, 83,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0551, 0.2893, 0.1851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 83, 191) }
```

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

```
.background{ background-color: rgb(166, 83,  
191) }
```

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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