

Converting Colors

$Y_{xy}(18.8569, 0.2763, 0.1741)$

Have a look what the booklet for
Yxy(18.8569, 0.2763, 0.1741)
contains.

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Color

Yxy(18.8554, 0.2755, 0.1736)

Conversions

Conversions Part 1

Format	Color
Hex	A654CD
RGB	166, 84, 205
RGB Percent	65%, 33%, 80%
CMY	0.3489, 0.6707, 0.1960
CMYK	0.19, 0.59, 0.00, 0.20
HSL	281°, 55%, 57%
HSV	281°, 59%, 80%
XYZ	29.9232, 18.8554, 59.8355
YIQ	122.3120, 10.0310, 55.0150

Conversions

Conversions Part 2

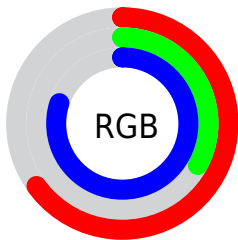
Format	Color
R_{YB}	166, 84, 205
Decimal	10900685
CIE _{Lab}	50.52, 53.43, -49.13
CIE _{LCh}	51, 72.585, 317.398
Yxy	18.8554, 0.2755, 0.1736
Android (android.graphics.Color)	4289090765 (0xFFA654CD)
YUV	122.3120, 40.7652, 38.3144
Hunter-Lab	43.4228, 47.0166, -51.3041

Details

The Yxy color **18.8554, 0.2755, 0.1736** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **48.5225, 0.3285, 0.5044**, and the grayscale version is **19.4299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9586, 0.2914, 0.2067**, and **6.4602, 0.2582, 0.1335** is the 20% darker color. If you saturate the color by 10%, you get **15.4314, 0.2669, 0.1513**, and if you desaturate by 10%, it is **23.2486, 0.2837, 0.1988**.

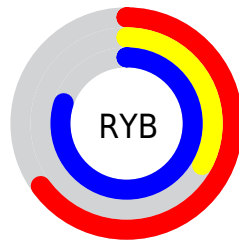
Distribution



Red (65%)

Green (33%)

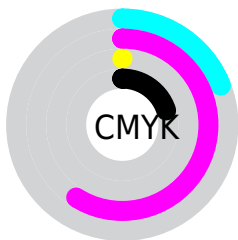
Blue (80%)



Red (65%)

Yellow (33%)

Blue (80%)

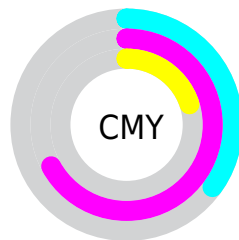


Cyan (19%)

Magenta (59%)

Yellow (0%)

Black (20%)



Cyan (35%)


Magenta (67%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8554, 0.2755, 0.1736 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 18.8554, 0.2755, 0.1736 by changing the saturation by 10% instead.


 18.8554, 0.2755,
0.1736


 18.8554, 0.2755,
0.1736


245.6493, 0.2992,
0.2504


 11.5658, 0.2680,
0.1555


 41.4896, 0.2853,
0.2009

 6.4488, 0.2575,
0.1334


 57.6031, 0.2886,
0.2113


 3.1198, 0.2422,
0.1061


 77.4266, 0.2913,
0.2203

 1.1946, 0.2188,
0.0729

 101.3446, 0.2935,
0.2280

 0.0573, 0.1865,
0.0073

 129.7415, 0.2953,
0.2347

 0.0000, 0.0928,
0.0000

163.0016, 0.2968,

 0.0000, 0.0000,

0.2406

0.0000

201.5095, 0.2981,
0.2458

■ 18.8554, 0.2755,
0.1736

■ 18.8554, 0.2755,
0.1736

■ 15.4314, 0.2669,
0.1513

■ 23.2486, 0.2837,
0.1988

■ 12.8900, 0.2581,
0.1331

■ 28.6831, 0.2912,
0.2258

■ 11.1323, 0.2495,
0.1196

■ 35.2266, 0.2980,
0.2533

■ 9.9941, 0.2412,
0.1106

■ 42.9403, 0.3039,
0.2805

■ 9.8970, 0.2405,
0.1098

■ 51.8809, 0.3089,
0.3067

■ 62.1013, 0.3131,
0.3313

■ 73.6514, 0.3166,
0.3541

■ 86.5782, 0.3194,
0.3749

■ 92.0119, 0.3230,
0.3811

Harmonies

Analogous

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



18.8554, 0.1772, 0.1498



18.8554, 0.2755, 0.1736



18.8554, 0.4144, 0.2248

Triad

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



18.8554, 0.2755, 0.1736



18.8554, 0.5129, 0.4592



18.8554, 0.1277, 0.3081

Complementary

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



18.8554, 0.2755, 0.1736



48.5225, 0.3285, 0.5044

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.



18.8554, 0.1929, 0.4755



18.8554, 0.2755, 0.1736



18.8554, 0.4128, 0.5500

Square

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



18.8554, 0.2755, 0.1736



18.8554, 0.5671, 0.3713



18.8554, 0.2985, 0.5830



18.8554, 0.1088, 0.2012

Rectangle

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



18.8554, 0.2755, 0.1736



18.8554, 0.5023, 0.2699



18.8554, 0.2985, 0.5830



18.8554, 0.1438, 0.3602

Sweetspot

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



18.8562, 0.2755, 0.1736



71.4331, 0.3043, 0.2827



20.7890, 0.2121, 0.2012



14.4388, 0.3027, 0.2748



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



18.8562, 0.2755, 0.1736



23.9388, 0.2644, 0.1457



22.8155, 0.3429, 0.2109



11.2156, 0.3087, 0.3058



6.2127, 0.2416, 0.1105



0.3603, 0.2575, 0.1192

Inverse Universe

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



20.7482, 0.4330, 0.2814



27.8241, 0.4765, 0.2770



46.5607, 0.2941, 0.4891



11.2722, 0.3240, 0.3216



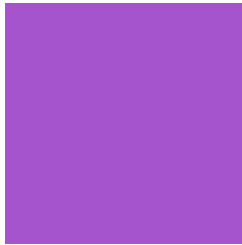
8.3406, 0.5663, 0.2893



0.4442, 0.5102, 0.2584

Previews

White Background



This preview shows how the Yxy color 18.8554, 0.2755, 0.1736 looks on a white background.

Color Contrast Check

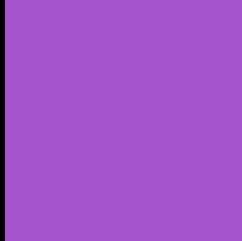
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8554, 0.2755, 0.1736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

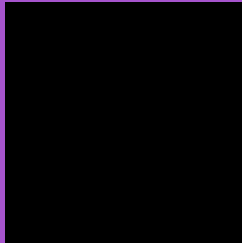
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8554, 0.2755, 0.1736

Background



This preview shows how black text looks on a background with the Yxy color 18.8554, 0.2755, 0.1736.

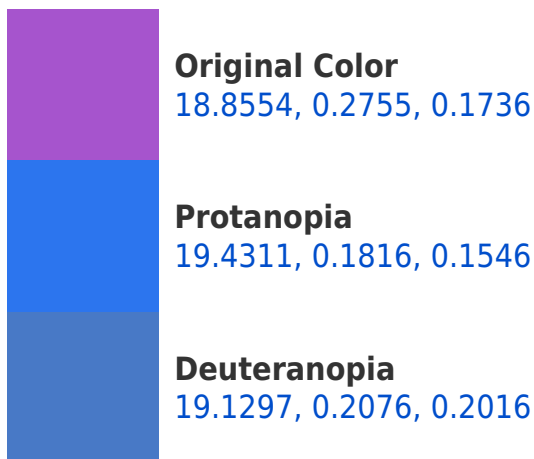


This preview shows how white text looks on a background with the Yxy color 18.8554, 0.2755, 0.1736.

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





Tritanopia

18.6849, 0.3617, 0.3140

Trichromacy



Original Color

18.8554, 0.2755, 0.1736



Protanomaly

17.6688, 0.1989, 0.1541



Deuteranomaly

18.0063, 0.2242, 0.1848



Tritanomaly

18.2617, 0.3270, 0.2510

Monochromacy



Original Color

18.8554, 0.2755, 0.1736



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.3954, 0.2986, 0.2554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8554, 0.2755, 0.1736 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, 84, 205)` looks like.

```
.text, #text, p{  
    color:rgb(166, 84, 205)  
}
```

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, 84, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 84, 205) }
```

Border

The CSS property to change the border of an element to Yxy 18.8554, 0.2755, 0.1736 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, 84, 205) }
```

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

```
.border{ border-color:rgb(166, 84, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 84, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 84, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 84, 205);  
box-shadow:4px 4px 4px 4px rgb(166, 84,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8554, 0.2755, 0.1736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 84, 205) }
```

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

```
.background{ background-color: rgb(166, 84,  
205) }
```

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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