

Converting Colors

$Y_{xy}(18.2692, 0.2645, 0.1678)$

Have a look what the booklet for
Yxy(18.2692, 0.2645, 0.1678)
contains.

Yxy(18.1638, 0.2641, 0.1674)	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(18.1638, 0.2641, 0.1674)

Conversions

Conversions Part 1

Format	Color
Hex	9E54D0
RGB	158, 84, 208
RGB Percent	62%, 33%, 82%
CMY	0.3804, 0.6706, 0.1842
CMYK	0.24, 0.60, 0.00, 0.18
HSL	276°, 57%, 57%
HSV	276°, 60%, 82%
XYZ	28.6563, 18.1638, 61.6853
YIQ	120.2620, 4.3000, 54.2520

Conversions

Conversions Part 2

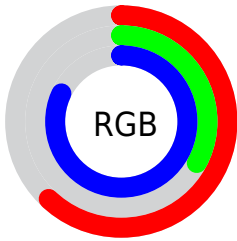
Format	Color
R _Y B	158, 84, 208
Decimal	10376400
CIE Lab	49.69, 52.11, -52.22
CIE LCh	50, 73.773, 314.936
Yxy	18.1638, 0.2641, 0.1674
Android (android.graphics.Color)	4288566480 (0xFF9E54D0)
YUV	120.2620, 43.2548, 33.0962
Hunter-Lab	42.6190, 45.4370, -55.9810

Details

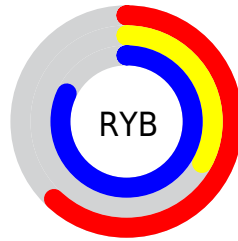
The Yxy color **18.1638, 0.2641, 0.1674** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **50.8353, 0.3358, 0.5021**, and the grayscale version is **18.7289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5584, 0.2837, 0.2040**, and **6.1047, 0.2415, 0.1258** is the 20% darker color. If you saturate the color by 10%, you get **14.5784, 0.2532, 0.1438**, and if you desaturate by 10%, it is **22.7673, 0.2745, 0.1940**.

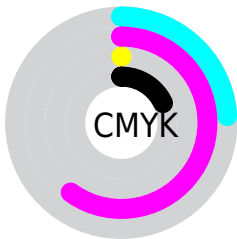
Distribution



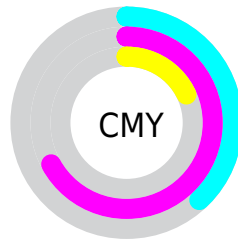
- Red (62%)
- Green (33%)
- Blue (82%)



- Red (62%)
- Yellow (33%)
- Blue (82%)



- Cyan (24%)
- Magenta (60%)
- Yellow (0%)
- Black (18%)




- Cyan (38%)
- Magenta (67%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1638, 0.2641, 0.1674 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 18.1638, 0.2641, 0.1674 by changing the saturation by 10% instead.


 18.1638, 0.2641,
0.1674


 18.1638, 0.2641,
0.1674


241.7927, 0.2940,
0.2472


 11.0677, 0.2550,
0.1488


 40.3162, 0.2763,
0.1956


 6.1124, 0.2424,
0.1261


 56.1413, 0.2804,
0.2065

 2.9135, 0.2245,
0.0984


 75.6448, 0.2838,
0.2158

 1.0868, 0.1977,
0.0654

 99.2112, 0.2866,
0.2238

 0.0000, 0.1614,
0.0000

 127.2247, 0.2889,
0.2308

 0.0000, 0.0546,
0.0000

160.0699, 0.2909,

 0.0000, 0.0000,

0.2369

0.0000

198.1311, 0.2926,
0.2424

■ 18.1638, 0.2641,
0.1674

■ 18.1638, 0.2641,
0.1674

■ 14.5784, 0.2532,
0.1438

■ 22.7673, 0.2745,
0.1940

■ 11.9202, 0.2423,
0.1243

■ 28.4650, 0.2842,
0.2221

■ 10.0849, 0.2319,
0.1097

■ 35.3279, 0.2930,
0.2506

■ 8.8887, 0.2221,
0.0998

■ 43.4202, 0.3007,
0.2785

■ 8.8475, 0.2217,
0.0995

■ 52.8015, 0.3073,
0.3051

■ 63.5273, 0.3129,
0.3299

■ 75.6499, 0.3176,
0.3527

■ 89.2186, 0.3215,
0.3735

■ 93.4870, 0.3265,
0.3771

Harmonies

Analogous

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



18.1638, 0.1683, 0.1457



18.1638, 0.2641, 0.1674



18.1638, 0.4047, 0.2172

Triad

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



18.1638, 0.2641, 0.1674



18.1638, 0.5229, 0.4520



18.1638, 0.1271, 0.3192

Complementary

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



18.1638, 0.2641, 0.1674



50.8353, 0.3358, 0.5021

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.



18.1638, 0.1970, 0.4944



18.1638, 0.2641, 0.1674



18.1638, 0.4223, 0.5473

Square

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



18.1638, 0.2641, 0.1674



18.1638, 0.5741, 0.3635



18.1638, 0.3061, 0.5928



18.1638, 0.1051, 0.2039

Rectangle

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



18.1638, 0.2641, 0.1674



18.1638, 0.4978, 0.2621



18.1638, 0.3061, 0.5928



18.1638, 0.1446, 0.3748

Sweetspot

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



18.1645, 0.2641, 0.1674



70.7854, 0.3017, 0.2824



23.9584, 0.2148, 0.2162



14.2801, 0.2996, 0.2743



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.



18.1645, 0.2641, 0.1674



21.5924, 0.2497, 0.1370



23.8176, 0.3309, 0.2003



11.7613, 0.3074, 0.3056



5.5705, 0.2230, 0.1002



0.3571, 0.2408, 0.1100

Inverse Universe

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



21.4771, 0.4191, 0.2687



27.8765, 0.4577, 0.2621



47.8228, 0.2990, 0.5061



11.8862, 0.3228, 0.3197



8.7739, 0.5347, 0.2719



0.5061, 0.4865, 0.2453

Previews

White Background



This preview shows how the Yxy color 18.1638, 0.2641, 0.1674 looks on a white background.

Color Contrast Check

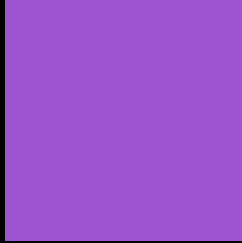
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1638, 0.2641, 0.1674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

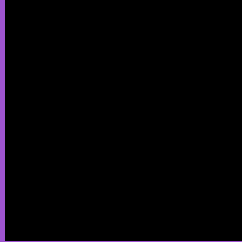
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1638, 0.2641, 0.1674

Background



This preview shows how black text looks on a background with the Yxy color 18.1638, 0.2641, 0.1674.



This preview shows how white text looks on a background with the Yxy color 18.1638, 0.2641, 0.1674.

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

18.1638, 0.2641, 0.1674

Protanopia

18.5278, 0.1773, 0.1486

Deuteranopia

18.5798, 0.1996, 0.1946



Tritanopia

18.0849, 0.3476, 0.3133

Trichromacy



Original Color

18.1638, 0.2641, 0.1674



Protanomaly

16.8384, 0.1912, 0.1475



Deuteranomaly

17.3079, 0.2140, 0.1774



Tritanomaly

17.6446, 0.3126, 0.2468

Monochromacy



Original Color

18.1638, 0.2641, 0.1674



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.8507, 0.2937, 0.2526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1638, 0.2641, 0.1674 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(158, 84, 208)` looks like.

```
.text, #text, p{  
    color:rgb(158, 84, 208)  
}
```

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(158, 84, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 84, 208) }
```

Border

The CSS property to change the border of an element to Yxy 18.1638, 0.2641, 0.1674 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(158, 84, 208) }
```

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

```
.border{ border-color:rgb(158, 84, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 84, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 84, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 84, 208);  
box-shadow:4px 4px 4px 4px rgb(158, 84,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1638, 0.2641, 0.1674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 84, 208) }
```

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

```
.background{ background-color: rgb(158, 84,  
208) }
```

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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