

Converting Colors

$Y_{xy}(18.3818, 0.2253, 0.1241)$

Have a look what the booklet for
Yxy(18.3818, 0.2253, 0.1241)
contains.

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Color

Yxy(18.3726, 0.2253, 0.1240)

Conversions

Conversions Part 1

Format	Color
Hex	9946FF
RGB	153, 70, 255
RGB Percent	60%, 27%, 100%
CMY	0.3999, 0.7256, 0.0000
CMYK	0.40, 0.73, 0.00, 0.00
HSL	267°, 100%, 64%
HSV	267°, 73%, 100%
XYZ	33.3818, 18.3726, 96.4117
YIQ	115.9070, -9.9170, 75.1310

Conversions

Conversions Part 2

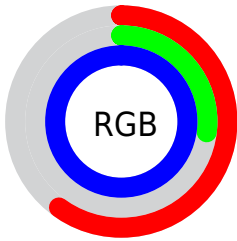
Format	Color
R_{YB}	153, 70, 255
Decimal	10045183
CIE _{Lab}	49.94, 68.53, -78.35
CIE _{LCh}	50, 104.093, 311.172
Yxy	18.3726, 0.2253, 0.1240
Android (android.graphics.Color)	4288235263 (0xFF9946FF)
YUV	115.9070, 68.5728, 32.5306
Hunter-Lab	42.8633, 64.0047, -103.3558

Details

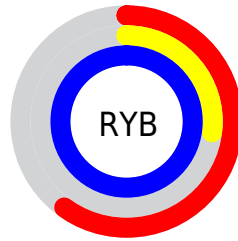
The Yxy color **18.3726, 0.2253, 0.1240** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **80.7278, 0.3518, 0.5272**, and the grayscale version is **17.2217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1834, 0.2824, 0.1924**, and **6.2554, 0.1947, 0.0846** is the 20% darker color. If you saturate the color by 10%, you get **14.5432, 0.2115, 0.1039**, and if you desaturate by 10%, it is **23.7145, 0.2398, 0.1491**.

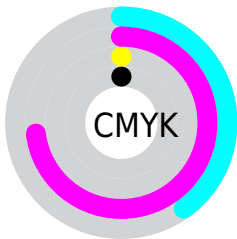
Distribution



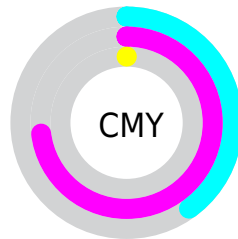
- Red (60%)
- Green (27%)
- Blue (100%)



- Red (60%)
- Yellow (27%)
- Blue (100%)



- Cyan (40%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3726, 0.2253, 0.1240 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 18.3726, 0.2253, 0.1240 by changing the saturation by 10% instead.


 18.3726, 0.2253,
0.1240


 18.3726, 0.2253,
0.1240


242.9629, 0.2755,
0.2166


 11.2178, 0.2120,
0.1053


 40.6712, 0.2444,
0.1545

 6.2135, 0.1950,
0.0841


 56.5838, 0.2513,
0.1669

 2.9754, 0.1729,
0.0606


 76.1845, 0.2571,
0.1778

 1.1189, 0.1441,
0.0361

 99.8577, 0.2620,
0.1875

 0.0000, 0.1086,
0.0000

 127.9877, 0.2661,
0.1960

 0.0000, 0.0610,
0.0000

160.9590, 0.2697,

 0.0000, 0.0000,

0.2036

0.0000

199.1559, 0.2728,
0.2105

■ 18.3726, 0.2253,
0.1240

■ 18.3726, 0.2253,
0.1240

■ 14.5432, 0.2115,
0.1039

■ 23.7145, 0.2398,
0.1491

■ 12.0382, 0.1990,
0.0896


■ 30.7289, 0.2543,
0.1777

■ 10.8277, 0.1908,
0.0825

■ 39.5522, 0.2681,
0.2081

■ 50.3070, 0.2808,
0.2388

■ 63.1048, 0.2922,
0.2686

 78.0485, 0.3022,
0.2968

 95.2337, 0.3107,
0.3227

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



18.3726, 0.1214, 0.1040



18.3726, 0.2253, 0.1240



18.3726, 0.4080, 0.1758

Triad

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



18.3726, 0.2253, 0.1240



18.3726, 0.5706, 0.4294



18.3726, 0.0826, 0.3303

Complementary

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



18.3726, 0.2253, 0.1240



80.7278, 0.3518, 0.5272

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.



18.3726, 0.1611, 0.6076



18.3726, 0.2253, 0.1240



18.3726, 0.4325, 0.5675

Square

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



18.3726, 0.2253, 0.1240



18.3726, 0.6487, 0.3288



18.3726, 0.2875, 0.6921



18.3726, 0.0618, 0.1711

Rectangle

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



18.3726, 0.2253, 0.1240



18.3726, 0.5443, 0.2246



18.3726, 0.2875, 0.6921



18.3726, 0.1011, 0.4178

Sweetspot

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



18.3718, 0.2253, 0.1240



63.8808, 0.2928, 0.2702



39.1127, 0.2047, 0.2232



12.8789, 0.2899, 0.2623



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.



18.3718, 0.2253, 0.1240



13.2800, 0.2058, 0.0968



30.5927, 0.3083, 0.1652



17.7768, 0.3049, 0.3049



5.7433, 0.1925, 0.0834



0.6229, 0.2051, 0.0903

Inverse Universe

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



28.6145, 0.4193, 0.2358



24.7370, 0.4507, 0.2335



73.7698, 0.3057, 0.5587



18.1547, 0.3207, 0.3160



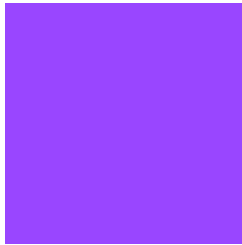
12.1372, 0.4748, 0.2389



1.2038, 0.4523, 0.2265

Previews

White Background



This preview shows how the Yxy color 18.3726, 0.2253, 0.1240 looks on a white background.

Color Contrast Check

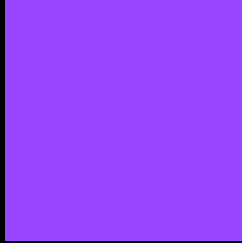
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3726, 0.2253, 0.1240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

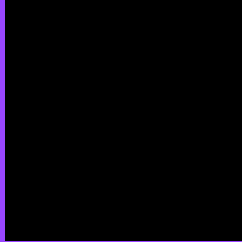
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3726, 0.2253, 0.1240

Background



This preview shows how black text looks on a background with the Yxy color 18.3726, 0.2253, 0.1240.



This preview shows how white text looks on a background with the Yxy color 18.3726, 0.2253, 0.1240.

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

18.3726, 0.2253, 0.1240

Protanopia

18.4454, 0.1737, 0.1454

Deuteranopia

18.5225, 0.1848, 0.1854



Tritanopia

18.2565, 0.3122, 0.3122

Trichromacy



Original Color

18.3726, 0.2253, 0.1240



Protanomaly

16.2915, 0.1766, 0.1263



Deuteranomaly

16.0322, 0.1833, 0.1455



Tritanomaly

17.0531, 0.2733, 0.2128

Monochromacy



Original Color

18.3726, 0.2253, 0.1240



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.3808, 0.2713, 0.2169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3726, 0.2253, 0.1240 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(153, 70, 255)` looks like.

```
.text, #text, p{  
  color:rgb(153, 70, 255)  
}
```

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(153, 70, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 70, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.3726, 0.2253, 0.1240 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(153, 70, 255) }
```

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

```
.border{ border-color:rgb(153, 70, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 70, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 70, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 70, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 70,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3726, 0.2253, 0.1240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 70, 255) }
```

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

```
.background{ background-color: rgb(153, 70,  
255) }
```

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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