

Converting Colors

$Y_{xy}(18.2588, 0.2349, 0.1533)$

Have a look what the booklet for
Yxy(18.2588, 0.2349, 0.1533)
contains.

Yxy(18.2696, 0.2351, 0.1538)	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(18.2696, 0.2351, 0.1538)

Conversions

Conversions Part 1

Format	Color
Hex	8C5AE0
RGB	140, 90, 224
RGB Percent	55%, 35%, 88%
CMY	0.4510, 0.6471, 0.1215
CMYK	0.38, 0.60, 0.00, 0.12
HSL	262°, 68%, 62%
HSV	262°, 60%, 88%
XYZ	27.9271, 18.2696, 72.5914
YIQ	120.2260, -13.2140, 52.2740

Conversions

Conversions Part 2

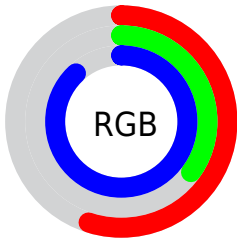
Format	Color
R _Y B	140, 90, 224
Decimal	9198304
CIE Lab	49.82, 48.69, -61.23
CIE LCh	50, 78.232, 308.490
Yxy	18.2696, 0.2351, 0.1538
Android (android.graphics.Color)	4287388384 (0xFF8C5AE0)
YUV	120.2260, 51.1606, 17.3418
Hunter-Lab	42.7430, 41.8268, -70.7735

Details

The Yxy color **18.2696, 0.2351, 0.1538** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **63.0638, 0.3579, 0.4909**, and the grayscale version is **18.6949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5718, 0.2700, 0.2041**, and **6.1837, 0.2064, 0.1120** is the 20% darker color. If you saturate the color by 10%, you get **13.9004, 0.2192, 0.1264**, and if you desaturate by 10%, it is **23.9342, 0.2510, 0.1841**.

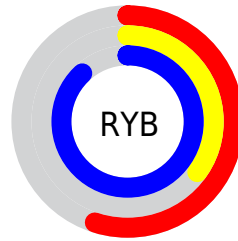
Distribution



Red (55%)

Green (35%)

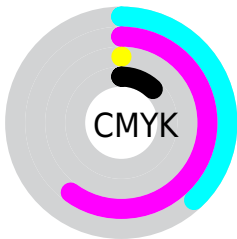
Blue (88%)



Red (55%)

Yellow (35%)

Blue (88%)

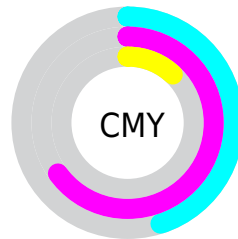


Cyan (38%)

Magenta (60%)

Yellow (0%)

Black (12%)



Cyan (45%)


Magenta (65%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2696, 0.2351, 0.1538 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 18.2696, 0.2351, 0.1538 by changing the saturation by 10% instead.


 18.2696, 0.2351,
0.1538

 18.2696, 0.2351,
0.1538


242.3863, 0.2799,
0.2388


 11.1437, 0.2226,
0.1347


 40.4962, 0.2525,
0.1833


 6.1636, 0.2061,
0.1120


 56.3657, 0.2588,
0.1949

 2.9448, 0.1839,
0.0850


 75.9185, 0.2639,
0.2048

 1.1030, 0.1533,
0.0543

 99.5390, 0.2682,
0.2134

 0.0000, 0.1140,
0.0000

127.6117, 0.2718,
0.2210

 0.0000, 0.0233,
0.0000

160.5208, 0.2749,

 0.0000, 0.0000,

0.2276

0.0000

198.6509, 0.2776,
0.2335

■ 18.2696, 0.2351,
0.1538

■ 18.2696, 0.2351,
0.1538

■ 13.9004, 0.2192,
0.1264

■ 23.9342, 0.2510,
0.1841

■ 10.7131, 0.2040,
0.1037

■ 30.9906, 0.2662,
0.2156

■ 8.5763, 0.1906,
0.0870

■ 39.5280, 0.2801,
0.2467

■ 7.2676, 0.1792,
0.0762

■ 49.6273, 0.2926,
0.2765

■ 7.2479, 0.1791,
0.0760

■ 61.3636, 0.3035,
0.3042

■ 74.8070, 0.3129,
0.3294

■ 90.0234, 0.3209,
0.3521

■ 97.6656, 0.3292,
0.3593

■ 98.1631, 0.3309,
0.3591

Harmonies

Analogous

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



18.2696, 0.1478, 0.1379



18.2696, 0.2351, 0.1538



18.2696, 0.3752, 0.1989

Triad

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



18.2696, 0.2351, 0.1538



18.2696, 0.5472, 0.4312



18.2696, 0.1296, 0.3544

Complementary

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



18.2696, 0.2351, 0.1538



63.0638, 0.3579, 0.4909

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.



18.2696, 0.2117, 0.5420



18.2696, 0.2351, 0.1538



18.2696, 0.4483, 0.5343

Square

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



18.2696, 0.2351, 0.1538



18.2696, 0.5868, 0.3435



18.2696, 0.3281, 0.6073



18.2696, 0.0989, 0.2157

Rectangle

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



18.2696, 0.2351, 0.1538



18.2696, 0.4786, 0.2426



18.2696, 0.3281, 0.6073



18.2696, 0.1510, 0.4181

Sweetspot

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



18.2702, 0.2351, 0.1538



69.0746, 0.2945, 0.2813



38.1704, 0.2239, 0.2591



13.8640, 0.2911, 0.2729



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.



18.2702, 0.2351, 0.1538



17.3432, 0.2150, 0.1198



25.8391, 0.3006, 0.1823



13.4911, 0.3039, 0.3052



4.2782, 0.1806, 0.0768



0.3464, 0.1979, 0.0864

Inverse Universe

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



26.2204, 0.3782, 0.2359



29.3846, 0.3988, 0.2235



57.2418, 0.3129, 0.5166



13.8444, 0.3195, 0.3144



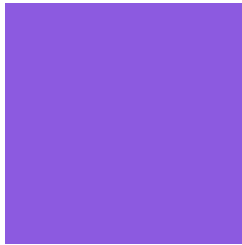
10.3570, 0.4425, 0.2212



0.7351, 0.4189, 0.2081

Previews

White Background



This preview shows how the Yxy color 18.2696, 0.2351, 0.1538 looks on a white background.

Color Contrast Check

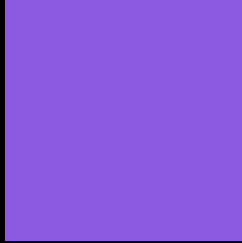
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2696, 0.2351, 0.1538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

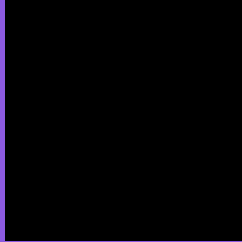
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2696, 0.2351, 0.1538

Background



This preview shows how black text looks on a background with the Yxy color 18.2696, 0.2351, 0.1538.



This preview shows how white text looks on a background with the Yxy color 18.2696, 0.2351, 0.1538.

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

18.2696, 0.2351, 0.1538

Protanopia

18.5057, 0.1735, 0.1447

Deuteranopia

18.4788, 0.1833, 0.1797



Tritanopia

18.1509, 0.3048, 0.3119

Trichromacy



Original Color

18.2696, 0.2351, 0.1538



Protanomaly

16.8631, 0.1798, 0.1406



Deuteranomaly

16.8654, 0.1868, 0.1618



Tritanomaly

17.6361, 0.2750, 0.2362

Monochromacy



Original Color

18.2696, 0.2351, 0.1538



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.9179, 0.2792, 0.2453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2696, 0.2351, 0.1538 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(140, 90, 224)` looks like.

```
.text, #text, p{  
    color:rgb(140, 90, 224)  
}
```

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(140, 90, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 90, 224) }
```

Border

The CSS property to change the border of an element to Yxy 18.2696, 0.2351, 0.1538 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(140, 90, 224) }
```

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

```
.border{ border-color:rgb(140, 90, 224) }
```

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

Here you see how a box with a 4 pixel rgb(140, 90, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 90, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 90, 224);  
box-shadow:4px 4px 4px 4px rgb(140, 90,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2696, 0.2351, 0.1538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 90, 224) }
```

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

```
.background{ background-color: rgb(140, 90,  
224) }
```

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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