

Converting Colors

$Y_{xy}(18.6729, 0.2312, 0.1662)$

Have a look what the booklet for
Yxy(18.6729, 0.2312, 0.1662)
contains.

Yxy(18.7133, 0.2308, 0.1662)	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(18.7133, 0.2308, 0.1662)

Conversions

Conversions Part 1

Format	Color
Hex	8064D9
RGB	128, 100, 217
RGB Percent	50%, 39%, 85%
CMY	0.4979, 0.6079, 0.1490
CMYK	0.41, 0.54, 0.00, 0.15
HSL	254°, 61%, 62%
HSV	254°, 54%, 85%
XYZ	25.9869, 18.7133, 67.8948
YIQ	121.7100, -20.8690, 42.3230

Conversions

Conversions Part 2

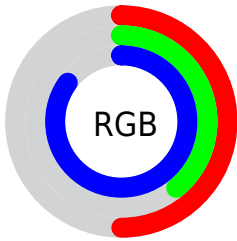
Format	Color
RYB	128, 100, 217
Decimal	8414425
CIELab	50.35, 38.53, -56.47
CIElCh	50, 68.361, 304.306
Yxy	18.7133, 0.2308, 0.1662
Android (android.graphics.Color)	4286604505 (0xFF8064D9)
YUV	121.7100, 46.9780, 5.5163
Hunter-Lab	43.2589, 31.5274, -62.7745

Details

The Yxy color **18.7133, 0.2308, 0.1662** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **61.3670, 0.3676, 0.4691**, and the grayscale version is **19.2131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9908, 0.2608, 0.2116**, and **6.3688, 0.2010, 0.1248** is the 20% darker color. If you saturate the color by 10%, you get **13.9138, 0.2126, 0.1351**, and if you desaturate by 10%, it is **24.8306, 0.2490, 0.1992**.

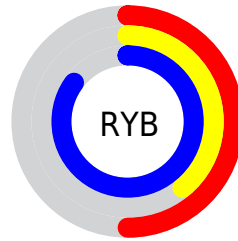
Distribution



Red (50%)

Green (39%)

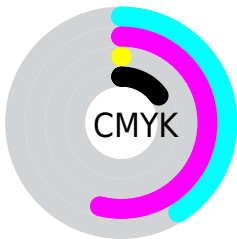
Blue (85%)



Red (50%)

Yellow (39%)

Blue (85%)

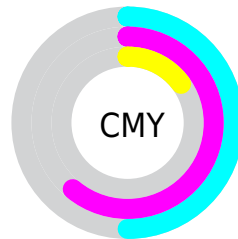


Cyan (41%)

Magenta (54%)

Yellow (0%)

Black (15%)



Cyan (50%)


Magenta (61%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7133, 0.2308, 0.1662 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 18.7133, 0.2308, 0.1662 by changing the saturation by 10% instead.


 18.7133, 0.2308,
0.1662


 18.7133, 0.2308,
0.1662


244.8614, 0.2773,
0.2469


 11.4633, 0.2179,
0.1474


 41.2491, 0.2488,
0.1948


 6.3794, 0.2010,
0.1246


 57.3036, 0.2552,
0.2058

 3.0771, 0.1781,
0.0969

 77.0619, 0.2605,
0.2152

 1.1721, 0.1466,
0.0642

 100.9081, 0.2650,
0.2233

 0.0388, 0.1061,
0.0042

129.2268, 0.2688,
0.2304

 0.0000, 0.0000,
0.0000

162.4023, 0.2720,

0.2366

200.8191, 0.2749,
0.2421

■ 18.7133, 0.2308,
0.1662

■ 18.7133, 0.2308,
0.1662

■ 13.9138, 0.2126,
0.1351

■ 24.8306, 0.2490,
0.1992

■ 10.3300, 0.1953,
0.1080

■ 32.3535, 0.2662,
0.2321

■ 7.8474, 0.1803,
0.0867


■ 41.3641, 0.2820,
0.2636

■ 6.3276, 0.1683,
0.0727


■ 51.9378, 0.2961,
0.2928

■ 5.7400, 0.1627,
0.0670

■ 64.1448, 0.3084,
0.3194

 78.0508, 0.3190,
0.3431

 93.7182, 0.3280,
0.3640

 97.7903, 0.3351,
0.3661

Harmonies

Analogous

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



18.7133, 0.1560, 0.1556



18.7133, 0.2308, 0.1662



18.7133, 0.3497, 0.2049

Triad

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



18.7133, 0.2308, 0.1662



18.7133, 0.5358, 0.4193



18.7133, 0.1578, 0.3757

Complementary

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



18.7133, 0.2308, 0.1662



61.3670, 0.3676, 0.4691

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.



18.7133, 0.2414, 0.5258



18.7133, 0.2308, 0.1662



18.7133, 0.4565, 0.5071

Square

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



18.7133, 0.2308, 0.1662



18.7133, 0.5533, 0.3390



18.7133, 0.3504, 0.5691



18.7133, 0.1201, 0.2444

Rectangle

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



18.7133, 0.2308, 0.1662



18.7133, 0.4400, 0.2441



18.7133, 0.3504, 0.5691



18.7133, 0.1808, 0.4297

Sweetspot

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



18.7139, 0.2308, 0.1662



71.2576, 0.2931, 0.2866



44.4188, 0.2363, 0.2906



14.5569, 0.2902, 0.2806



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.



18.7139, 0.2308, 0.1662



19.0702, 0.2096, 0.1302



24.5376, 0.2863, 0.1884



12.7670, 0.3018, 0.3051



3.5152, 0.1638, 0.0676



0.2676, 0.1803, 0.0767

Inverse Universe

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



27.5390, 0.3497, 0.2274



33.3678, 0.3607, 0.2106



55.3920, 0.3239, 0.4914



13.2187, 0.3174, 0.3114



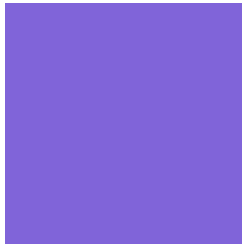
10.5920, 0.3922, 0.1934



0.6993, 0.3782, 0.1857

Previews

White Background



This preview shows how the Yxy color 18.7133, 0.2308, 0.1662 looks on a white background.

Color Contrast Check

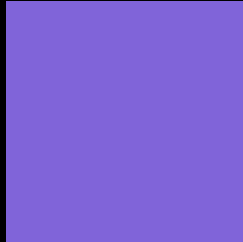
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7133, 0.2308, 0.1662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

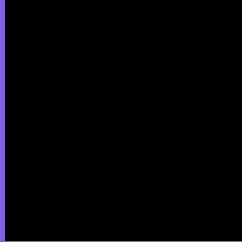
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7133, 0.2308, 0.1662

Background



This preview shows how black text looks on a background with the Yxy color 18.7133, 0.2308, 0.1662.



This preview shows how white text looks on a background with the Yxy color 18.7133, 0.2308, 0.1662.

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

18.7133, 0.2308, 0.1662

Protanopia

19.0269, 0.1839, 0.1575

Deuteranopia

19.0299, 0.1888, 0.1839



Tritanopia

18.7459, 0.2865, 0.3116

Trichromacy



Original Color

18.7133, 0.2308, 0.1662

Protanomaly

18.3176, 0.1948, 0.1580

Deuteranomaly

18.1549, 0.1967, 0.1732

Tritanomaly

18.2881, 0.2629, 0.2452

Monochromacy



Original Color

18.7133, 0.2308, 0.1662

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.7540, 0.2773, 0.2548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7133, 0.2308, 0.1662 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(128, 100, 217)` looks like.

```
.text, #text, p{  
    color:rgb(128, 100, 217)  
}
```

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(128, 100, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 100, 217) }
```

Border

The CSS property to change the border of an element to Yxy 18.7133, 0.2308, 0.1662 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(128, 100, 217) }
```

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

```
.border{ border-color:rgb(128, 100, 217) }
```

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

Here you see how a box with a 4 pixel rgb(128, 100, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 100, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 100, 217);  
box-shadow:4px 4px 4px 4px rgb(128, 100,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7133, 0.2308, 0.1662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 100, 217) }
```

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

```
.background{ background-color: rgb(128,  
100, 217) }
```

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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