

Converting Colors

$Y_{xy}(18.6822, 0.3372, 0.2480)$

Have a look what the booklet for
Yxy(18.6822, 0.3372, 0.2480)
contains.

Yxy(18.6747, 0.3379, 0.2483)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.6747, 0.3379, 0.2483)

Conversions

Conversions Part 1

Format	Color
Hex	A66096
RGB	166, 96, 150
RGB Percent	65%, 38%, 59%
CMY	0.3490, 0.6235, 0.4117
CMYK	0.00, 0.42, 0.10, 0.35
HSL	314°, 28%, 51%
HSV	314°, 42%, 65%
XYZ	25.4135, 18.6747, 31.1220
YIQ	123.0860, 24.3860, 31.6340

Conversions

Conversions Part 2

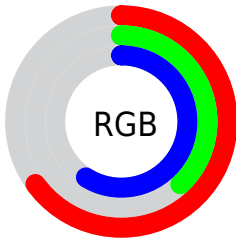
Format	Color
R _Y B	166, 96, 150
Decimal	10903702
CIE Lab	50.30, 36.32, -17.43
CIE LCh	50, 40.285, 334.369
Yxy	18.6747, 0.3379, 0.2483
Android (android.graphics.Color)	4289093782 (0xFFA66096)
YUV	123.0860, 13.2686, 37.6356
Hunter-Lab	43.2142, 29.3478, -12.4495

Details

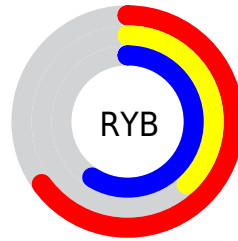
The Yxy color **18.6747, 0.3379, 0.2483** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.9281, 0.2950, 0.4267**, and the grayscale version is **19.7871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0690, 0.3330, 0.2649**, and **6.2996, 0.3452, 0.2194** is the 20% darker color. If you saturate the color by 10%, you get **15.8393, 0.3459, 0.2306**, and if you desaturate by 10%, it is **22.1553, 0.3307, 0.2673**.

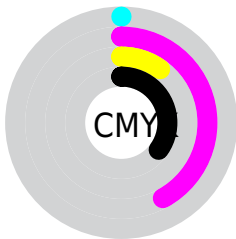
Distribution



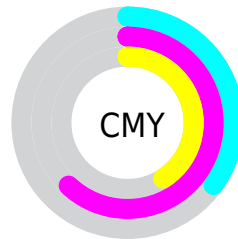
- Red (65%)
- Green (38%)
- Blue (59%)



- Red (65%)
- Yellow (38%)
- Blue (59%)



- Cyan (0%)
- Magenta (42%)
- Yellow (10%)
- Black (35%)




- Cyan (35%)
- Magenta (62%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6747, 0.3379, 0.2483 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 18.6747, 0.3379, 0.2483 by changing the saturation by 10% instead.


 18.6747, 0.3379,
0.2483


 18.6747, 0.3379,
0.2483


244.6470, 0.3247,
0.2918


 11.4355, 0.3413,
0.2363


 41.1837, 0.3330,
0.2649


 6.3605, 0.3458,
0.2203


 57.2222, 0.3312,
0.2709

 3.0655, 0.3518,
0.1979

 76.9627, 0.3296,
0.2759

 1.1660, 0.3601,
0.1646

 100.7894, 0.3284,
0.2801

 0.0337, 0.4112,
0.0150

129.0868, 0.3272,
0.2837

 0.0000, 0.0000,
0.0000

162.2392, 0.3263,

0.2868

200.6312, 0.3254,
0.2895

■ 18.6747, 0.3379,
0.2483

■ 18.6747, 0.3379,
0.2483

■ 15.8393, 0.3459,
0.2306

■ 22.1553, 0.3307,
0.2673

■ 13.6059, 0.3544,
0.2152

■ 26.3157, 0.3242,
0.2869

■ 11.9301, 0.3634,
0.2031


■ 31.1909, 0.3186,
0.3063


■ 10.7601, 0.3724,
0.1951

■ 36.8128, 0.3137,
0.3251

■ 10.0346, 0.3813,
0.1916


■ 43.2116, 0.3095,
0.3429

 9.6671, 0.3881,
0.1912

 50.4156, 0.3060,
0.3596

 58.4516, 0.3030,
0.3751

 67.3454, 0.3005,
0.3894

 77.1215, 0.2984,
0.4025

Harmonies

Analogous

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



18.6747, 0.2635, 0.2204



18.6747, 0.3379, 0.2483



18.6747, 0.4131, 0.2929

Triad

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



18.6747, 0.3379, 0.2483



18.6747, 0.4150, 0.4510



18.6747, 0.1857, 0.2831

Complementary

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



18.6747, 0.3379, 0.2483



30.9281, 0.2950, 0.4267

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.



18.6747, 0.2169, 0.3594



18.6747, 0.3379, 0.2483



18.6747, 0.3481, 0.4696

Square

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



18.6747, 0.3379, 0.2483



18.6747, 0.4575, 0.4031



18.6747, 0.2754, 0.4357



18.6747, 0.1839, 0.2337

Rectangle

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



18.6747, 0.3379, 0.2483



18.6747, 0.4484, 0.3284



18.6747, 0.2754, 0.4357



18.6747, 0.1927, 0.3062

Sweetspot

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



18.6756, 0.3379, 0.2483



55.5937, 0.3191, 0.3042



14.5103, 0.2517, 0.2070



11.9984, 0.3203, 0.3001



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.6756, 0.3379, 0.2483



28.8478, 0.3457, 0.2310



17.7305, 0.3877, 0.2982



7.6369, 0.3171, 0.3117



7.5040, 0.3873, 0.1907



0.1896, 0.3615, 0.1765

Inverse Universe

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



18.6756, 0.3379, 0.2483



28.8478, 0.3457, 0.2310



31.8388, 0.2699, 0.3632



7.6369, 0.3171, 0.3117



7.5040, 0.3873, 0.1907



0.1896, 0.3615, 0.1765

Previews

White Background



This preview shows how the Yxy color 18.6747, 0.3379, 0.2483 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 18.6747, 0.3379, 0.2483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

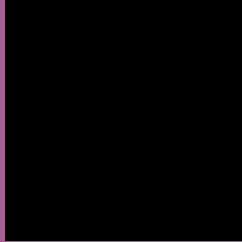
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6747, 0.3379, 0.2483

Background



This preview shows how black text looks on a background with the Yxy color 18.6747, 0.3379, 0.2483.



This preview shows how white text looks on a background with the Yxy color 18.6747, 0.3379, 0.2483.

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

18.6747, 0.3379, 0.2483

Protanopia

19.0478, 0.2509, 0.2449

Deuteranopia

18.9541, 0.2832, 0.2785



Tritanopia

18.7519, 0.3842, 0.3164

Trichromacy



Original Color

18.6747, 0.3379, 0.2483

Protanomaly

18.5313, 0.2775, 0.2447

Deuteranomaly

18.4927, 0.3019, 0.2659

Tritanomaly

18.6002, 0.3663, 0.2897

Monochromacy



Original Color

18.6747, 0.3379, 0.2483

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.9927, 0.3221, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6747, 0.3379, 0.2483 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, 96, 150)` looks like.

```
.text, #text, p{  
    color:rgb(166, 96, 150)  
}
```

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, 96, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 96, 150) }
```

Border

The CSS property to change the border of an element to Yxy 18.6747, 0.3379, 0.2483 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, 96, 150) }
```

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

```
.border{ border-color:rgb(166, 96, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 96, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 96, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 96, 150);  
box-shadow:4px 4px 4px 4px rgb(166, 96,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6747, 0.3379, 0.2483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 96, 150) }
```

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

```
.background{ background-color: rgb(166, 96,  
150) }
```

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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