

Converting Colors

$Y_{xy}(16.6231, 0.2649, 0.2184)$

Have a look what the booklet for
Yxy(16.6231, 0.2649, 0.2184)
contains.

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Color

Yxy(16.6150, 0.2651, 0.2188)

Conversions

Conversions Part 1

Format	Color
Hex	7C66A8
RGB	124, 102, 168
RGB Percent	49%, 40%, 66%
CMY	0.5137, 0.6000, 0.3412
CMYK	0.26, 0.39, 0.00, 0.34
HSL	260°, 27%, 53%
HSV	260°, 39%, 66%
XYZ	20.1309, 16.6150, 39.1910
YIQ	116.1020, -8.0740, 25.1900

Conversions

Conversions Part 2

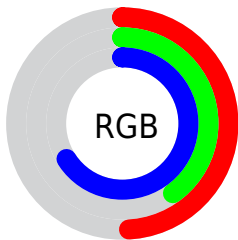
Format	Color
R_{YB}	124, 102, 168
Decimal	8152744
CIE _{Lab}	47.77, 23.17, -32.32
CIE _{LCh}	48, 39.763, 305.635
Yxy	16.6150, 0.2651, 0.2188
Android (android.graphics.Color)	4286342824 (0xFF7C66A8)
YUV	116.1020, 25.5857, 6.9265
Hunter-Lab	40.7615, 16.8232, -28.4726

Details

The Yxy color **16.6150, 0.2651, 0.2188** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.0758, 0.3480, 0.4321**, and the grayscale version is **17.4202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5752, 0.2771, 0.2417**, and **5.4098, 0.2433, 0.1812** is the 20% darker color. If you saturate the color by 10%, you get **12.8536, 0.2495, 0.1874**, and if you desaturate by 10%, it is **21.1417, 0.2794, 0.2496**.

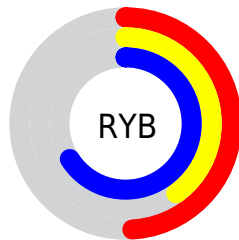
Distribution



Red (49%)

Green (40%)

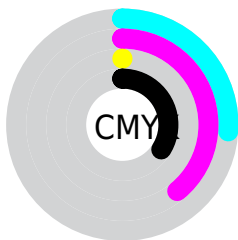
Blue (66%)



Red (49%)

Yellow (40%)

Blue (66%)

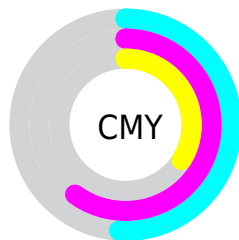


Cyan (26%)

Magenta (39%)

Yellow (0%)

Black (34%)



Cyan (51%)


Magenta (60%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6150, 0.2651, 0.2188 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 16.6150, 0.2651, 0.2188 by changing the saturation by 10% instead.


 16.6150, 0.2651,
0.2188


 16.6150, 0.2651,
0.2188


232.9439, 0.2934,
0.2785


 9.9604, 0.2563,
0.2026


 37.6626, 0.2766,
0.2415


 5.3727, 0.2438,
0.1812


 52.8244, 0.2806,
0.2497

 2.4676, 0.2252,
0.1521

 71.5907, 0.2837,
0.2566

 0.8603, 0.1951,
0.1113

 94.3460, 0.2864,
0.2623

 0.0000, 0.1213,
0.0000

121.4745, 0.2886,
0.2672

 0.0000, 0.0000,
0.0000

153.3607, 0.2904,

0.2715

190.3891, 0.2920,
0.2752

■ 16.6150, 0.2651,
0.2188

■ 16.6150, 0.2651,
0.2188

■ 12.8536, 0.2495,
0.1874

■ 21.1417, 0.2794,
0.2496

■ 9.8117, 0.2332,
0.1568

■ 26.4719, 0.2923,
0.2789

■ 7.4415, 0.2169,
0.1288


■ 32.6437, 0.3036,
0.3060

■ 5.6883, 0.2013,
0.1050

■ 39.6922, 0.3134,
0.3307


■ 4.4886, 0.1875,
0.0871

■ 47.6503, 0.3217,
0.3528


 3.7170, 0.1759,
0.0747

 56.5493, 0.3288,
0.3725

 3.6675, 0.1751,
0.0739

 66.4190, 0.3348,
0.3900

 77.2878, 0.3399,
0.4054

 89.1830, 0.3442,
0.4190

Harmonies

Analogous

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



16.6150, 0.2096, 0.2114



16.6150, 0.2651, 0.2188



16.6150, 0.3419, 0.2481

Triad

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



16.6150, 0.2651, 0.2188



16.6150, 0.4599, 0.4066



16.6150, 0.2125, 0.3565

Complementary

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



16.6150, 0.2651, 0.2188



35.0758, 0.3480, 0.4321

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.



16.6150, 0.2713, 0.4362



16.6150, 0.2651, 0.2188



16.6150, 0.4146, 0.4554

Square

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



16.6150, 0.2651, 0.2188



16.6150, 0.4635, 0.3494



16.6150, 0.3454, 0.4732



16.6150, 0.1822, 0.2789

Rectangle

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



16.6150, 0.2651, 0.2188



16.6150, 0.3950, 0.2774



16.6150, 0.3454, 0.4732



16.6150, 0.2294, 0.3851

Sweetspot

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



16.6157, 0.2651, 0.2188



55.7854, 0.3004, 0.2983



26.5509, 0.2541, 0.2934



11.8529, 0.2991, 0.2950



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.



16.6157, 0.2651, 0.2188



24.2130, 0.2518, 0.1918



19.3887, 0.3025, 0.2299



7.4175, 0.3036, 0.3060



2.7951, 0.1761, 0.0744



0.0958, 0.2153, 0.0960

Inverse Universe

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



19.9038, 0.3448, 0.2631



31.1510, 0.3545, 0.2492



32.5487, 0.3176, 0.4427



7.6235, 0.3186, 0.3141



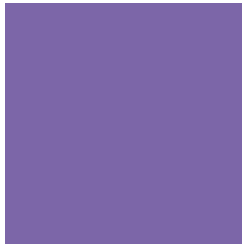
7.1800, 0.4251, 0.2115



0.1836, 0.3832, 0.1885

Previews

White Background



This preview shows how the Yxy color 16.6150, 0.2651, 0.2188 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 16.6150, 0.2651, 0.2188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

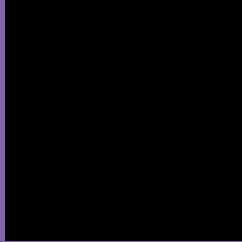
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.6150, 0.2651, 0.2188

Background



This preview shows how black text looks on a background with the Yxy color 16.6150, 0.2651, 0.2188.

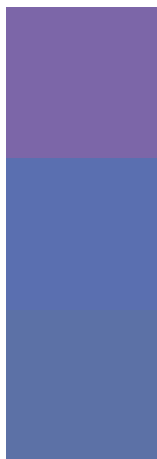


This preview shows how white text looks on a background with the Yxy color 16.6150, 0.2651, 0.2188.

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

16.6150, 0.2651, 0.2188

Protanopia

16.6771, 0.2281, 0.2144

Deuteranopia

16.8387, 0.2374, 0.2324



Tritanopia

16.6137, 0.3057, 0.3113

Trichromacy



Original Color

16.6150, 0.2651, 0.2188

Protanomaly

16.5670, 0.2396, 0.2160

Deuteranomaly

16.6704, 0.2465, 0.2264

Tritanomaly

16.4117, 0.2897, 0.2729

Monochromacy



Original Color

16.6150, 0.2651, 0.2188

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.0401, 0.2945, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6150, 0.2651, 0.2188 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(124, 102, 168)` looks like.

```
.text, #text, p{  
    color:rgb(124, 102, 168)  
}
```

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(124, 102, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 102, 168) }
```

Border

The CSS property to change the border of an element to Yxy 16.6150, 0.2651, 0.2188 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(124, 102, 168) }
```

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

```
.border{ border-color:rgb(124, 102, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 102, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 102, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 102, 168);  
box-shadow:4px 4px 4px 4px rgb(124, 102,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6150, 0.2651, 0.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 102, 168) }
```

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

```
.background{ background-color: rgb(124,  
102, 168) }
```

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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