

Converting Colors

$Y_{xy}(16.0194, 0.2777, 0.2338)$

Have a look what the booklet for
Yxy(16.0194, 0.2777, 0.2338)
contains.

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Color

Yxy(16.0676, 0.2781, 0.2338)

Conversions

Conversions Part 1

Format	Color
Hex	7D659C
RGB	125, 101, 156
RGB Percent	49%, 40%, 61%
CMY	0.5098, 0.6039, 0.3883
CMYK	0.20, 0.35, 0.00, 0.39
HSL	266°, 22%, 50%
HSV	266°, 35%, 61%
XYZ	19.1121, 16.0676, 33.5440
YIQ	114.4460, -3.3510, 22.1930

Conversions

Conversions Part 2

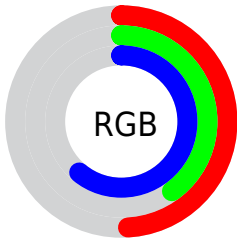
Format	Color
R_{YB}	125, 101, 156
Decimal	8218012
CIE _{Lab}	47.06, 21.10, -26.35
CIE _{LCh}	47, 33.757, 308.694
Yxy	16.0676, 0.2781, 0.2338
Android (android.graphics.Color)	4286408092 (0xFF7D659C)
YUV	114.4460, 20.4861, 9.2559
Hunter-Lab	40.0844, 14.9602, -21.5569

Details

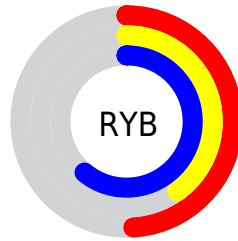
The Yxy color **16.0676, 0.2781, 0.2338** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.6195, 0.3386, 0.4222**, and the grayscale version is **16.9066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6246, 0.2862, 0.2535**, and **5.1337, 0.2626, 0.2006** is the 20% darker color. If you saturate the color by 10%, you get **12.6885, 0.2653, 0.2039**, and if you desaturate by 10%, it is **20.0816, 0.2896, 0.2630**.

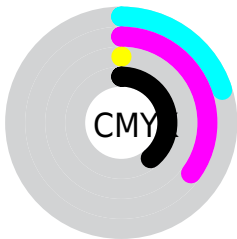
Distribution



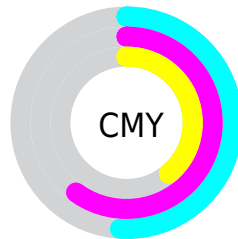
- Red (49%)
- Green (40%)
- Blue (61%)



- Red (49%)
- Yellow (40%)
- Blue (61%)



- Cyan (20%)
- Magenta (35%)
- Yellow (0%)
- Black (39%)





- Cyan (51%)
- Magenta (60%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0676, 0.2781, 0.2338 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 16.0676, 0.2781, 0.2338 by changing the saturation by 10% instead.


 16.0676, 0.2781,
0.2338


 16.0676, 0.2781,
0.2338


229.7403, 0.2990,
0.2863


 9.5720, 0.2713,
0.2191


 36.7155, 0.2868,
0.2541


 5.1161, 0.2615,
0.1992


 51.6366, 0.2897,
0.2613

 2.3156, 0.2462,
0.1712

 70.1350, 0.2920,
0.2673

 0.7819, 0.2201,
0.1293

 92.5951, 0.2939,
0.2723

 0.0000, 0.1149,
0.0000

119.4013, 0.2955,
0.2766

 0.0000, 0.0000,
0.0000

150.9380, 0.2969,

0.2803

187.5895, 0.2980,
0.2835

■ 16.0676, 0.2781,
0.2338

■ 16.0676, 0.2781,
0.2338

■ 12.6885, 0.2653,
0.2039

■ 20.0816, 0.2896,
0.2630

■ 9.9081, 0.2516,
0.1744

■ 24.7599, 0.2998,
0.2907

■ 7.6896, 0.2373,
0.1467


■ 30.1326, 0.3086,
0.3164

■ 5.9912, 0.2230,
0.1224


■ 36.2274, 0.3161,
0.3399

■ 4.7649, 0.2095,
0.1029

■ 43.0701, 0.3225,
0.3611


 3.9489, 0.1973,
0.0888

 50.6857, 0.3279,
0.3801

 3.6325, 0.1919,
0.0831

 59.0976, 0.3324,
0.3971

 68.3284, 0.3362,
0.4122

 78.3999, 0.3394,
0.4256

Harmonies

Analogous

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



16.0676, 0.2266, 0.2255



16.0676, 0.2781, 0.2338



16.0676, 0.3455, 0.2617

Triad

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



16.0676, 0.2781, 0.2338



16.0676, 0.4382, 0.4039



16.0676, 0.2219, 0.3459

Complementary

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



16.0676, 0.2781, 0.2338



29.6195, 0.3386, 0.4222

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.



16.0676, 0.2719, 0.4136



16.0676, 0.2781, 0.2338



16.0676, 0.3972, 0.4424

Square

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



16.0676, 0.2781, 0.2338



16.0676, 0.4442, 0.3541



16.0676, 0.3360, 0.4506



16.0676, 0.1970, 0.2814

Rectangle

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



16.0676, 0.2781, 0.2338



16.0676, 0.3900, 0.2888



16.0676, 0.3360, 0.4506



16.0676, 0.2361, 0.3698

Sweetspot

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



16.0683, 0.2781, 0.2338



48.7581, 0.3035, 0.3013



21.7141, 0.2586, 0.2859



10.4686, 0.3024, 0.2981



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.0683, 0.2781, 0.2338



24.4321, 0.2685, 0.2112



18.4149, 0.3120, 0.2428



6.5698, 0.3052, 0.3064



3.0121, 0.1926, 0.0835



0.0784, 0.2389, 0.1090

Inverse Universe

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



18.0407, 0.3482, 0.2789



28.6450, 0.3589, 0.2680



27.6980, 0.3113, 0.4306



6.7056, 0.3201, 0.3165



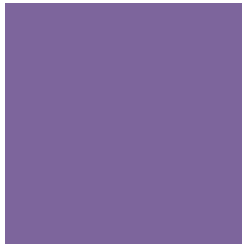
6.4079, 0.4655, 0.2338



0.1230, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 16.0676, 0.2781, 0.2338 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 16.0676, 0.2781, 0.2338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

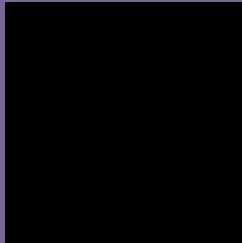
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.0676, 0.2781, 0.2338

Background



This preview shows how black text looks on a background with the Yxy color 16.0676, 0.2781, 0.2338.

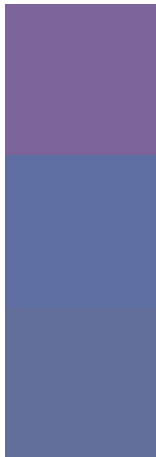


This preview shows how white text looks on a background with the Yxy color 16.0676, 0.2781, 0.2338.

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

16.0676, 0.2781, 0.2338

Protanopia

16.1759, 0.2405, 0.2315

Deuteranopia

16.0816, 0.2517, 0.2461



Tritanopia

16.0732, 0.3148, 0.3133

Trichromacy



Original Color

16.0676, 0.2781, 0.2338

Protanomaly

16.0567, 0.2529, 0.2330

Deuteranomaly

16.0701, 0.2605, 0.2412

Tritanomaly

16.0117, 0.3016, 0.2819

Monochromacy



Original Color

16.0676, 0.2781, 0.2338

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.3738, 0.3001, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0676, 0.2781, 0.2338 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(125, 101, 156)` looks like.

```
.text, #text, p{  
    color:rgb(125, 101, 156)  
}
```

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(125, 101, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 101, 156) }
```

Border

The CSS property to change the border of an element to Yxy 16.0676, 0.2781, 0.2338 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(125, 101, 156) }
```

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

```
.border{ border-color:rgb(125, 101, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 101, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 101, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 101, 156);  
box-shadow:4px 4px 4px 4px rgb(125, 101,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0676, 0.2781, 0.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 101, 156) }
```

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

```
.background{ background-color: rgb(125,  
101, 156) }
```

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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