

Converting Colors

$Y_{xy}(11.8741, 0.3117, 0.2672)$

Have a look what the booklet for
Yxy(11.8741, 0.3117, 0.2672)
contains.

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Color

Yxy(11.8374, 0.3126, 0.2665)

Conversions

Conversions Part 1

Format	Color
Hex	745776
RGB	116, 87, 118
RGB Percent	45%, 34%, 46%
CMY	0.5449, 0.6589, 0.5372
CMYK	0.02, 0.26, 0.00, 0.54
HSL	296°, 15%, 40%
HSV	296°, 26%, 46%
XYZ	13.8851, 11.8374, 18.6955
YIQ	99.2050, 7.3330, 15.7890

Conversions

Conversions Part 2

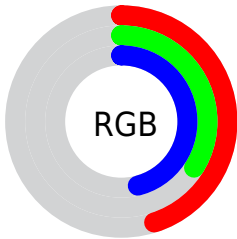
Format	Color
R_{YB}	116, 87, 118
Decimal	7624566
CIE _{Lab}	40.96, 17.83, -12.96
CIE _{LCh}	41, 22.044, 323.988
Yxy	11.8374, 0.3126, 0.2665
Android (android.graphics.Color)	4285814646 (0xFF745776)
YUV	99.2050, 9.2659, 14.7292
Hunter-Lab	34.4055, 11.8278, -8.1336

Details

The Yxy color **11.8374, 0.3126, 0.2665** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.7687, 0.3118, 0.3993**, and the grayscale version is **12.5075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1184, 0.3128, 0.2816**, and **3.2214, 0.3091, 0.2364** is the 20% darker color. If you saturate the color by 10%, you get **10.0300, 0.3123, 0.2426**, and if you desaturate by 10%, it is **13.9587, 0.3128, 0.2907**.

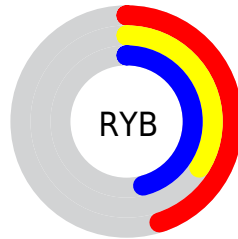
Distribution



Red (45%)

Green (34%)

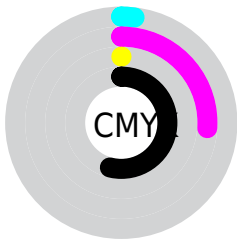
Blue (46%)



Red (45%)

Yellow (34%)

Blue (46%)

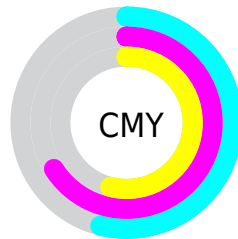


Cyan (2%)

Magenta (26%)

Yellow (0%)

Black (54%)



Cyan (54%)


Magenta (66%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8374, 0.3126, 0.2665 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 11.8374, 0.3126, 0.2665 by changing the saturation by 10% instead.


 11.8374, 0.3126,
0.2665


 11.8374, 0.3126,
0.2665


203.3258, 0.3133,
0.3032


 6.6331, 0.3120,
0.2548


 29.1986, 0.3131,
0.2815


 3.2337, 0.3108,
0.2379

 42.1243, 0.3132,
0.2866


 1.2549, 0.3080,
0.2111

 58.3925, 0.3132,
0.2907

 0.1059, 0.3220,
0.0636

 78.3877, 0.3133,
0.2941

 0.0000, 0.0000,
0.0000

 102.4942, 0.3133,
0.2970

131.0965, 0.3133,

0.2994

164.5789, 0.3133,
0.3014

■ 11.8374, 0.3126,
0.2665

■ 11.8374, 0.3126,
0.2665

■ 10.0300, 0.3123,
0.2426

■ 13.9587, 0.3128,
0.2907

■ 8.5197, 0.3117,
0.2199

■ 16.4064, 0.3128,
0.3145

■ 7.2906, 0.3110,
0.1990

■ 19.1944, 0.3127,
0.3374

■ 6.3247, 0.3101,
0.1809

■ 22.3351, 0.3125,
0.3591

■ 5.6019, 0.3089,
0.1663

■ 25.8406, 0.3122,
0.3794

■ 5.0992, 0.3076,
0.1556

■ 29.7220, 0.3119,
0.3981

■ 4.7697, 0.3062,
0.1483

■ 33.9903, 0.3115,
0.4153

■ 4.6567, 0.3057,
0.1458

■ 38.6558, 0.3111,
0.4310

■ 43.7287, 0.3107,
0.4452

Harmonies

Analogous

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



11.8374, 0.2670, 0.2523



11.8374, 0.3126, 0.2665



11.8374, 0.3618, 0.2945

Triad

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



11.8374, 0.3126, 0.2665



11.8374, 0.3929, 0.4020



11.8374, 0.2334, 0.3174

Complementary

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



11.8374, 0.3126, 0.2665



15.7687, 0.3118, 0.3993

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.



11.8374, 0.2628, 0.3661



11.8374, 0.3126, 0.2665



11.8374, 0.3547, 0.4172

Square

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



11.8374, 0.3126, 0.2665



11.8374, 0.4099, 0.3696



11.8374, 0.3069, 0.4048



11.8374, 0.2241, 0.2775

Rectangle

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



11.8374, 0.3126, 0.2665



11.8374, 0.3886, 0.3182



11.8374, 0.3069, 0.4048



11.8374, 0.2411, 0.3335

Sweetspot

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



11.8379, 0.3126, 0.2665



27.9759, 0.3128, 0.3100



10.4873, 0.2703, 0.2631



6.3037, 0.3128, 0.3070



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



11.8379, 0.3126, 0.2665



18.6824, 0.3124, 0.2509



11.6771, 0.3362, 0.2928



3.7467, 0.3128, 0.3080



5.0349, 0.3056, 0.1457



24.3948, 0.3048, 0.1453

Inverse Universe

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



11.3866, 0.3619, 0.3250



17.7456, 0.3788, 0.3239



15.9132, 0.2946, 0.3683



3.7043, 0.3266, 0.3277



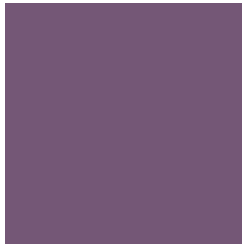
4.1839, 0.6293, 0.3240



20.3425, 0.6352, 0.3273

Previews

White Background



This preview shows how the Yxy color 11.8374, 0.3126, 0.2665 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 11.8374, 0.3126, 0.2665 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 11.8374, 0.3126, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 11.8374, 0.3126, 0.2665.



This preview shows how white text looks on a background with the Yxy color 11.8374, 0.3126, 0.2665.

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

11.8374, 0.3126, 0.2665

Protanopia

11.9448, 0.2675, 0.2676

Deuteranopia

11.9556, 0.2848, 0.2808



Tritanopia

11.8747, 0.3374, 0.3141

Trichromacy



Original Color

11.8374, 0.3126, 0.2665

Protanomaly

11.8865, 0.2825, 0.2671

Deuteranomaly

11.8222, 0.2944, 0.2756

Tritanomaly

11.9097, 0.3284, 0.2976

Monochromacy



Original Color

11.8374, 0.3126, 0.2665

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.2283, 0.3123, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8374, 0.3126, 0.2665 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(116, 87, 118)` looks like.

```
.text, #text, p{  
    color:rgb(116, 87, 118)  
}
```

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(116, 87, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 87, 118) }
```

Border

The CSS property to change the border of an element to Yxy 11.8374, 0.3126, 0.2665 is called "border". The border property can be set on classes, ids or directly on the HTML element.

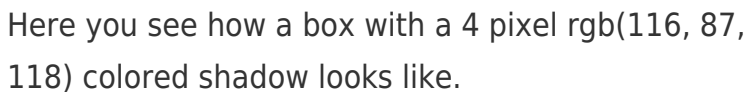
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 87, 118) }
```

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

```
.border{ border-color:rgb(116, 87, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 87, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 87, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 87, 118); box-shadow:4px 4px 4px 4px rgb(116, 87, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8374, 0.3126, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 87, 118) }
```

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

```
.background{ background-color: rgb(116, 87,  
118) }
```

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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