

Converting Colors

$Y_{xy}(16.1218, 0.2850, 0.2672)$

Have a look what the booklet for
Yxy(16.1218, 0.2850, 0.2672)
contains.

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Color

Yxy(16.1218, 0.2850, 0.2672)

Conversions

Conversions Part 1

Format	Color
Hex	746B8C
RGB	116, 107, 140
RGB Percent	45%, 42%, 55%
CMY	0.5450, 0.5804, 0.4510
CMYK	0.17, 0.24, 0.00, 0.45
HSL	256°, 13%, 48%
HSV	256°, 24%, 55%
XYZ	17.1958, 16.1218, 27.0185
YIQ	113.4530, -5.2290, 12.1710

Conversions

Conversions Part 2

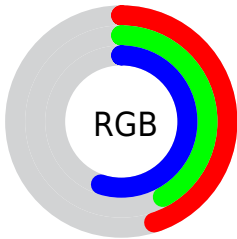
Format	Color
R_{YB}	116, 107, 140
Decimal	7629708
CIE _{Lab}	47.13, 10.66, -16.83
CIE _{LCh}	47, 19.921, 302.357
Yxy	16.1218, 0.2850, 0.2672
Android (android.graphics.Color)	4285819788 (0xFF746B8C)
YUV	113.4530, 13.0877, 2.2337
Hunter-Lab	40.1520, 6.1798, -11.7902

Details

The Yxy color **16.1218, 0.2850, 0.2672** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.6433, 0.3365, 0.3876**, and the grayscale version is **16.6176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6736, 0.2912, 0.2802**, and **5.1632, 0.2711, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **12.7762, 0.2706, 0.2372**, and if you desaturate by 10%, it is **20.0178, 0.2978, 0.2951**.

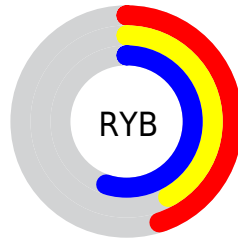
Distribution



Red (45%)

Green (42%)

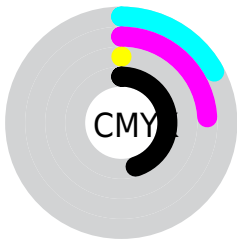
Blue (55%)



Red (45%)

Yellow (42%)

Blue (55%)

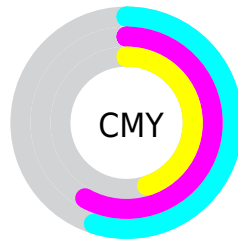


Cyan (17%)

Magenta (24%)

Yellow (0%)

Black (45%)



Cyan (55%)

Magenta (58%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1218, 0.2850, 0.2672 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 16.1218, 0.2850, 0.2672 by changing the saturation by 10% instead.

■ 16.1218, 0.2850,
0.2672

■ 16.1218, 0.2850,
0.2672

■ 230.0594, 0.3015,
0.3023

■ 9.6104, 0.2797,
0.2567

■ 36.8095, 0.2918,
0.2811

■ 5.1414, 0.2720,
0.2421

■ 51.7546, 0.2941,
0.2860

■ 2.3305, 0.2597,
0.2202

■ 70.2797, 0.2959,
0.2900

■ 0.7898, 0.2381,
0.1839

■ 92.7693, 0.2974,
0.2933

■ 0.0000, 0.0000,
0.0000

■ 119.6076, 0.2987,
0.2961

■ 151.1791, 0.2998,

0.2984

187.8682, 0.3007,
0.3005

■ 16.1218, 0.2850,
0.2672

■ 16.1218, 0.2850,
0.2672

■ 12.7762, 0.2706,
0.2372

■ 20.0178, 0.2978,
0.2951

■ 9.9538, 0.2547,
0.2058

■ 24.4857, 0.3091,
0.3205

■ 7.6282, 0.2379,
0.1742

■ 29.5484, 0.3188,
0.3434

■ 5.7697, 0.2207,
0.1440

■ 35.2268, 0.3271,
0.3637

■ 4.3453, 0.2040,
0.1169

■ 41.5407, 0.3342,
0.3817

■ 3.3177, 0.1888,
0.0947

■ 48.5093, 0.3402,
0.3976

■ 2.6422, 0.1760,
0.0787

■ 56.1508, 0.3453,
0.4116

■ 2.3108, 0.1689,
0.0704

■ 64.4826, 0.3497,
0.4238

■ 73.5216, 0.3534,
0.4347

Harmonies

Analogous

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



16.1218, 0.2550, 0.2659



16.1218, 0.2850, 0.2672



16.1218, 0.3244, 0.2826

Triad

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



16.1218, 0.2850, 0.2672



16.1218, 0.3904, 0.3716



16.1218, 0.2637, 0.3484

Complementary

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



16.1218, 0.2850, 0.2672



24.6433, 0.3365, 0.3876

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.



16.1218, 0.2976, 0.3829



16.1218, 0.2850, 0.2672



16.1218, 0.3714, 0.3943

Square

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



16.1218, 0.2850, 0.2672



16.1218, 0.3874, 0.3405



16.1218, 0.3371, 0.3998



16.1218, 0.2433, 0.3100

Rectangle

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



16.1218, 0.2850, 0.2672



16.1218, 0.3508, 0.2991



16.1218, 0.3371, 0.3998



16.1218, 0.2738, 0.3611

Sweetspot

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



16.1225, 0.2850, 0.2672



40.2354, 0.3052, 0.3117



21.3064, 0.2778, 0.3125



9.1814, 0.3047, 0.3105



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



16.1225, 0.2850, 0.2672



25.3468, 0.2780, 0.2524



17.3382, 0.3054, 0.2708



4.9541, 0.3030, 0.3067



2.0619, 0.1693, 0.0706



0.0202, 0.2126, 0.0945

Inverse Universe

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



17.7288, 0.3268, 0.2872



28.6871, 0.3304, 0.2781



23.4438, 0.3181, 0.3911



5.1060, 0.3176, 0.3132



5.8051, 0.4020, 0.1988



0.0410, 0.3579, 0.1745

Previews

White Background



This preview shows how the Yxy color 16.1218, 0.2850, 0.2672 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 16.1218, 0.2850, 0.2672 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 16.1218, 0.2850, 0.2672

Background



This preview shows how black text looks on a background with the Yxy color 16.1218, 0.2850, 0.2672.



This preview shows how white text looks on a background with the Yxy color 16.1218, 0.2850, 0.2672.

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

16.1218, 0.2850, 0.2672

Protanopia

16.2951, 0.2684, 0.2675

Deuteranopia

16.2041, 0.2768, 0.2732



Tritanopia

16.1455, 0.3043, 0.3130

Trichromacy



Original Color

16.1218, 0.2850, 0.2672

Protanomaly

16.2930, 0.2738, 0.2680

Deuteranomaly

16.1809, 0.2802, 0.2718

Tritanomaly

16.1949, 0.2961, 0.2957

Monochromacy



Original Color

16.1218, 0.2850, 0.2672

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.3763, 0.3021, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1218, 0.2850, 0.2672 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, 107, 140)` looks like.

```
.text, #text, p{  
    color:rgb(116, 107, 140)  
}
```

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, 107, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 107, 140) }
```

Border

The CSS property to change the border of an element to Yxy 16.1218, 0.2850, 0.2672 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, 107, 140) }
```

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

```
.border{ border-color:rgb(116, 107, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 107, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 107, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 107, 140);  
box-shadow:4px 4px 4px 4px rgb(116, 107,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1218, 0.2850, 0.2672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 107, 140) }
```

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

```
.background{ background-color: rgb(116,  
107, 140) }
```

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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