

Converting Colors

$Y_{xy}(16.5822, 0.2988, 0.2970)$

Have a look what the booklet for
Yxy(16.5822, 0.2988, 0.2970)
contains.

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Color

Yxy(16.6142, 0.2999, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	746F7F
RGB	116, 111, 127
RGB Percent	45%, 44%, 50%
CMY	0.5452, 0.5647, 0.5020
CMYK	0.09, 0.13, 0.00, 0.50
HSL	259°, 7%, 47%
HSV	259°, 13%, 50%
XYZ	16.7145, 16.6142, 22.4049
YIQ	114.3190, -2.1560, 6.0360

Conversions

Conversions Part 2

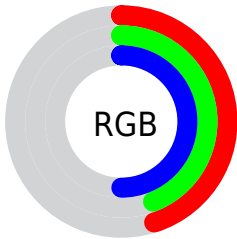
Format	Color
R _Y B	116, 111, 127
Decimal	7630719
CIE Lab	47.77, 5.26, -8.13
CIE LCh	48, 9.678, 302.892
Yxy	16.6142, 0.2999, 0.2981
Android (android.graphics.Color)	4285820799 (0xFF746F7F)
YUV	114.3190, 6.2517, 1.4742
Hunter-Lab	40.7605, 1.8659, -4.0577

Details

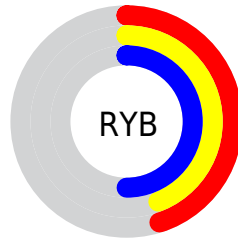
The Yxy color **16.6142, 0.2999, 0.2981** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.4681, 0.3245, 0.3592**, and the grayscale version is **16.9086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8145, 0.3028, 0.3054**, and **5.3340, 0.2942, 0.2835** is the 20% darker color. If you saturate the color by 10%, you get **13.4649, 0.2880, 0.2709**, and if you desaturate by 10%, it is **20.2157, 0.3103, 0.3230**.

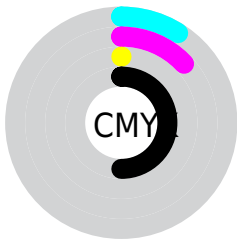
Distribution



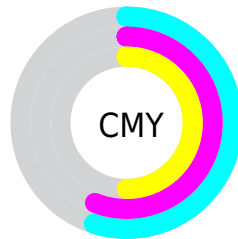
- Red (45%)
- Green (44%)
- Blue (50%)



- Red (45%)
- Yellow (44%)
- Blue (50%)



- Cyan (9%)
- Magenta (13%)
- Yellow (0%)
- Black (50%)



- Cyan (55%)
- Magenta (56%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6142, 0.2999, 0.2981 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 16.6142, 0.2999, 0.2981 by changing the saturation by 10% instead.

■ 16.6142, 0.2999,
0.2981

■ 16.6142, 0.2999,
0.2981

232.9392, 0.3075,
0.3159

■ 9.9598, 0.2975,
0.2926

■ 37.6613, 0.3030,
0.3053

■ 5.3723, 0.2939,
0.2847

■ 52.8227, 0.3041,
0.3077

■ 2.4673, 0.2882,
0.2726

■ 71.5886, 0.3049,
0.3098

■ 0.8602, 0.2777,
0.2513

■ 94.3434, 0.3056,
0.3114

■ 0.0000, 0.0000,
0.0000

121.4715, 0.3062,
0.3128

153.3572, 0.3067,

0.3140

190.3850, 0.3071,
0.3150

■ 16.6142, 0.2999,
0.2981

■ 16.6142, 0.2999,
0.2981

■ 13.4649, 0.2880,
0.2709

■ 20.2157, 0.3103,
0.3230

■ 10.7475, 0.2746,
0.2417

■ 24.2843, 0.3192,
0.3454

■ 8.4434, 0.2598,
0.2111

■ 28.8370, 0.3269,
0.3654

■ 6.5319, 0.2440,
0.1802

■ 33.8890, 0.3334,
0.3832

■ 4.9900, 0.2276,
0.1504

■ 39.4551, 0.3389,
0.3989

■ 3.7929, 0.2113,
0.1233

■ 45.5493, 0.3436,
0.4128

■ 2.9120, 0.1962,
0.1007

■ 52.1853, 0.3476,
0.4251

■ 2.3142, 0.1829,
0.0838

■ 59.3760, 0.3509,
0.4360

■ 1.9708, 0.1743,
0.0734

■ 67.1341, 0.3538,
0.4456

Harmonies

Analogous

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



16.6142, 0.2846, 0.2978



16.6142, 0.2999, 0.2981



16.6142, 0.3191, 0.3060

Triad

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



16.6142, 0.2999, 0.2981



16.6142, 0.3499, 0.3510



16.6142, 0.2887, 0.3382

Complementary

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



16.6142, 0.2999, 0.2981



20.4681, 0.3245, 0.3592

Split Complementary

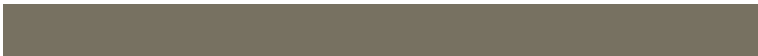
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.6142, 0.3056, 0.3537



16.6142, 0.2999, 0.2981



16.6142, 0.3411, 0.3608

Square

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



16.6142, 0.2999, 0.2981



16.6142, 0.3484, 0.3359



16.6142, 0.3248, 0.3621



16.6142, 0.2783, 0.3204

Rectangle

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



16.6142, 0.2999, 0.2981



16.6142, 0.3315, 0.3146



16.6142, 0.3248, 0.3621



16.6142, 0.2938, 0.3439

Sweetspot

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



16.6149, 0.2999, 0.2981



35.1768, 0.3088, 0.3194



18.8822, 0.2941, 0.3197



8.1316, 0.3081, 0.3178



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.6149, 0.2999, 0.2981



28.1120, 0.2968, 0.2908



17.1745, 0.3099, 0.2990



4.2714, 0.3037, 0.3070



1.9869, 0.1742, 0.0733



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.2901, 0.3203, 0.3084



29.5667, 0.3221, 0.3037



19.9187, 0.3150, 0.3601



4.3904, 0.3180, 0.3142



5.2548, 0.4148, 0.2059



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.6142, 0.2999, 0.2981 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 16.6142, 0.2999, 0.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

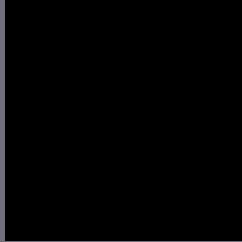
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6142, 0.2999, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 16.6142, 0.2999, 0.2981.



This preview shows how white text looks on a background with the Yxy color 16.6142, 0.2999, 0.2981.

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

16.6142, 0.2999, 0.2981

Protanopia

16.5264, 0.2926, 0.2976

Deuteranopia

16.5357, 0.3025, 0.2964



Tritanopia

16.6137, 0.3057, 0.3113

Trichromacy



Original Color

16.6142, 0.2999, 0.2981

Protanomaly

16.6576, 0.2950, 0.2979

Deuteranomaly

16.4661, 0.3012, 0.2962

Tritanomaly

16.6632, 0.3034, 0.3075

Monochromacy



Original Color

16.6142, 0.2999, 0.2981

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.7870, 0.3081, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6142, 0.2999, 0.2981 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, 111, 127)` looks like.

```
.text, #text, p{  
    color:rgb(116, 111, 127)  
}
```

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, 111, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 111, 127) }
```

Border

The CSS property to change the border of an element to Yxy 16.6142, 0.2999, 0.2981 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, 111, 127) }
```

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

```
.border{ border-color:rgb(116, 111, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 111, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 111, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 111, 127);  
box-shadow:4px 4px 4px 4px rgb(116, 111,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6142, 0.2999, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 111, 127) }
```

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

```
.background{ background-color: rgb(116,  
111, 127) }
```

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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