

Converting Colors

$Yxy(15.9504, 0.2569, 0.3086)$

Have a look what the booklet for
Yxy(15.9504, 0.2569, 0.3086)
contains.

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Color

$\text{Yxy}(16.0257, 0.2566, 0.3095)$

Conversions

Conversions Part 1

Format	Color
Hex	4C767F
RGB	76, 118, 127
RGB Percent	30%, 46%, 50%
CMY	0.7021, 0.5372, 0.5020
CMYK	0.40, 0.07, 0.00, 0.50
HSL	191°, 25%, 40%
HSV	191°, 40%, 50%
XYZ	13.2866, 16.0257, 22.4670
YIQ	106.4680, -27.9210, -6.1050

Conversions

Conversions Part 2

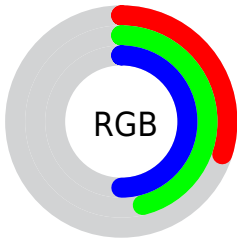
Format	Color
RYB	76, 99, 127
Decimal	5011071
CIELab	47.01, -12.09, -9.55
CIElCh	47, 15.408, 218.297
Yxy	16.0257, 0.2566, 0.3095
Android (android.graphics.Color)	4283201151 (0xFF4C767F)
YUV	106.4680, 10.1223, -26.7204
Hunter-Lab	40.0321, -10.8124, -5.2526

Details

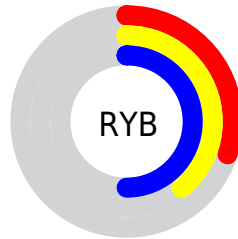
The Yxy color **16.0257, 0.2566, 0.3095** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5195, 0.4009, 0.3473**, and the grayscale version is **14.5236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5568, 0.2692, 0.3138**, and **5.1500, 0.2330, 0.3006** is the 20% darker color. If you saturate the color by 10%, you get **15.0368, 0.2448, 0.3038**, and if you desaturate by 10%, it is **17.1309, 0.2695, 0.3149**.

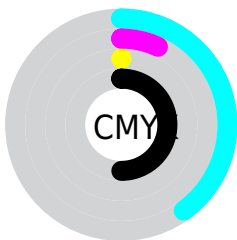
Distribution



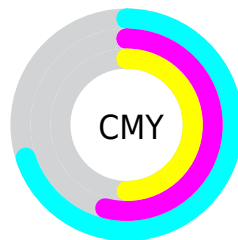
- Red (30%)
- Green (46%)
- Blue (50%)



- Red (30%)
- Yellow (39%)
- Blue (50%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (50%)



- Cyan (70%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0257, 0.2566, 0.3095 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 16.0257, 0.2566, 0.3095 by changing the saturation by 10% instead.

16.0257, 0.2566,
0.3095

16.0257, 0.2566,
0.3095

229.4933, 0.2891,
0.3215

9.5423, 0.2466,
0.3054

36.6428, 0.2697,
0.3146

5.0966, 0.2323,
0.2992

51.5454, 0.2742,
0.3162

2.3040, 0.2103,
0.2888

70.0231, 0.2778,
0.3176

0.7758, 0.1557,
0.2731

92.4604, 0.2809,
0.3186

0.0000, 0.0000,
0.0000

119.2417, 0.2834,
0.3195

150.7513, 0.2856,

0.3203

187.3737, 0.2874,
0.3209

■ 16.0257, 0.2566,
0.3095

■ 16.0257, 0.2566,
0.3095

■ 15.0368, 0.2448,
0.3038

■ 17.1309, 0.2695,
0.3149

■ 14.1563, 0.2344,
0.2979

■ 18.3564, 0.2833,
0.3200

■ 13.3780, 0.2257,
0.2919

■ 19.7078, 0.2977,
0.3246

■ 12.6941, 0.2186,
0.2858

■ 21.1902, 0.3124,
0.3289

■ 12.0959, 0.2134,
0.2797

■ 22.8083, 0.3273,
0.3328

■ 11.5636, 0.2094,
0.2737

■ 24.5664, 0.3420,
0.3363

■ 26.4686, 0.3564,
0.3394

■ 28.5191, 0.3704,
0.3422

■ 30.7216, 0.3840,
0.3446

Harmonies

Analogous

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



16.0257, 0.2703, 0.3383



16.0257, 0.2566, 0.3095



16.0257, 0.2570, 0.2882

Triad

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



16.0257, 0.2566, 0.3095



16.0257, 0.3282, 0.2960



16.0257, 0.3541, 0.3818

Complementary

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



16.0257, 0.2566, 0.3095



11.5195, 0.4009, 0.3473

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.



16.0257, 0.3713, 0.3671



16.0257, 0.2566, 0.3095



16.0257, 0.3562, 0.3182

Square

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



16.0257, 0.2566, 0.3095



16.0257, 0.2971, 0.2818



16.0257, 0.3723, 0.3437



16.0257, 0.3261, 0.3820

Rectangle

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



16.0257, 0.2566, 0.3095



16.0257, 0.2652, 0.2804



16.0257, 0.3723, 0.3437



16.0257, 0.3614, 0.3783

Sweetspot

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



16.0263, 0.2566, 0.3095



34.7714, 0.2947, 0.3237



17.3578, 0.2991, 0.4261



8.0807, 0.2932, 0.3232



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.



16.0263, 0.2566, 0.3095



27.1082, 0.2460, 0.3044



10.8903, 0.2480, 0.2520



4.7623, 0.2993, 0.3251



11.6629, 0.2094, 0.2737



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9828, 0.3313, 0.2492



17.0249, 0.3366, 0.2323



16.1795, 0.3817, 0.3952



4.3998, 0.3161, 0.3114



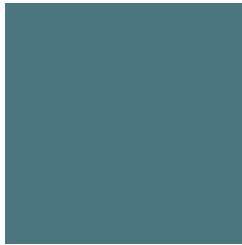
5.5719, 0.3694, 0.1808



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.0257, 0.2566, 0.3095 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 16.0257, 0.2566, 0.3095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

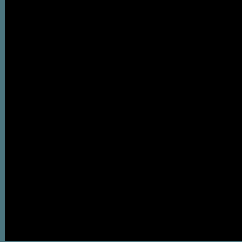
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0257, 0.2566, 0.3095

Background



This preview shows how black text looks on a background with the Yxy color 16.0257, 0.2566, 0.3095.



This preview shows how white text looks on a background with the Yxy color 16.0257, 0.2566, 0.3095.

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

16.0257, 0.2566, 0.3095

Protanopia

15.8720, 0.2982, 0.3049

Deuteranopia

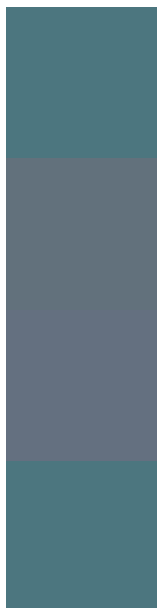
15.8208, 0.2937, 0.2880



Tritanopia

16.0257, 0.2566, 0.3095

Trichromacy



Original Color

16.0257, 0.2566, 0.3095

Protanomaly

15.8622, 0.2814, 0.3062

Deuteranomaly

15.8562, 0.2794, 0.2964

Tritanomaly

16.0257, 0.2566, 0.3095

Monochromacy



Original Color

16.0257, 0.2566, 0.3095

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7997, 0.2885, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0257, 0.2566, 0.3095 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(76, 118, 127)` looks like.

```
.text, #text, p{  
    color:rgb(76, 118, 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(76, 118, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 118, 127) }
```

Border

The CSS property to change the border of an element to Yxy 16.0257, 0.2566, 0.3095 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(76, 118, 127) }
```

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

```
.border{ border-color:rgb(76, 118, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 118, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 118, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 118, 127);  
box-shadow:4px 4px 4px 4px rgb(76, 118,  
127) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 16.0257, 0.2566, 0.3095$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 118, 127) }
```

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

```
.background{ background-color: rgb(76, 118,  
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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