

Converting Colors

$Y_{xy}(15.8225, 0.2462, 0.3101)$

Have a look what the booklet for
Yxy(15.8225, 0.2462, 0.3101)
contains.

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Color

Yxy(15.8159, 0.2468, 0.3112)

Conversions

Conversions Part 1

Format	Color
Hex	40777F
RGB	64, 119, 127
RGB Percent	25%, 47%, 50%
CMY	0.7488, 0.5333, 0.5020
CMYK	0.50, 0.06, 0.00, 0.50
HSL	188°, 33%, 37%
HSV	188°, 50%, 50%
XYZ	12.5429, 15.8159, 22.4635
YIQ	103.4670, -35.3480, -9.1720

Conversions

Conversions Part 2

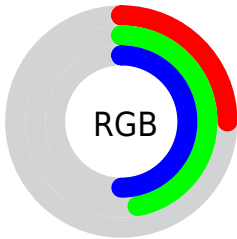
Format	Color
RYB	64, 93, 127
Decimal	4224895
CIELab	46.73, -15.84, -10.02
CIELCh	47, 18.740, 212.320
Yxy	15.8159, 0.2468, 0.3112
Android (android.graphics.Color)	4282414975 (0xFF40777F)
YUV	103.4670, 11.6018, -34.6126
Hunter-Lab	39.7692, -13.2984, -5.6512

Details

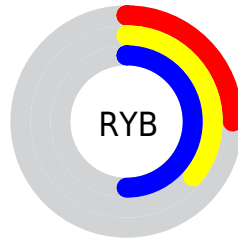
The Yxy color **15.8159, 0.2468, 0.3112** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5196, 0.4350, 0.3452**, and the grayscale version is **13.6722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1341, 0.2616, 0.3150**, and **4.9497, 0.2180, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **15.0577, 0.2369, 0.3070**, and if you desaturate by 10%, it is **16.6788, 0.2582, 0.3152**.

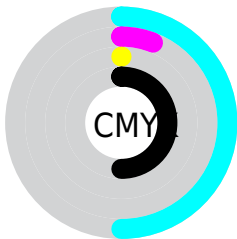
Distribution



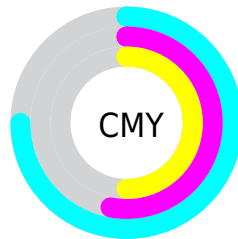
- Red (25%)
- Green (47%)
- Blue (50%)



- Red (25%)
- Yellow (36%)
- Blue (50%)



- Cyan (50%)
- Magenta (6%)
- Yellow (0%)
- Black (50%)



- Cyan (75%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8159, 0.2468, 0.3112 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 15.8159, 0.2468, 0.3112 by changing the saturation by 10% instead.

15.8159, 0.2468,
0.3112

15.8159, 0.2468,
0.3112

228.2529, 0.2849,
0.3224

9.3940, 0.2351,
0.3072

36.2783, 0.2621,
0.3160

4.9990, 0.2185,
0.3010

51.0876, 0.2674,
0.3176

2.2467, 0.1932,
0.2905

69.4614, 0.2717,
0.3188

0.7453, 0.1197,
0.2771

91.7842, 0.2752,
0.3198

0.0000, 0.0000,
0.0000

118.4404, 0.2782,
0.3207

149.8143, 0.2808,

0.3213

186.2903, 0.2830,
0.3219

■ 15.8159, 0.2468,
0.3112

■ 15.8159, 0.2468,
0.3112

■ 15.0577, 0.2369,
0.3070

■ 16.6788, 0.2582,
0.3152

■ 14.3957, 0.2287,
0.3028

■ 17.6506, 0.2708,
0.3191

■ 13.8229, 0.2222,
0.2985

■ 18.7375, 0.2843,
0.3227

■ 13.3306, 0.2175,
0.2942

■ 19.9447, 0.2986,
0.3260

■ 12.8923, 0.2140,
0.2899

■ 21.2770, 0.3134,
0.3291

■ 12.8733, 0.2138,
0.2897

■ 22.7392, 0.3283,
0.3319

■ 24.3353, 0.3432,
0.3345

■ 26.0697, 0.3579,
0.3367

■ 27.9462, 0.3723,
0.3387

Harmonies

Analogous

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



15.8159, 0.2663, 0.3474



15.8159, 0.2468, 0.3112



15.8159, 0.2439, 0.2831

Triad

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



15.8159, 0.2468, 0.3112



15.8159, 0.3238, 0.2849



15.8159, 0.3684, 0.3909

Complementary

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



15.8159, 0.2468, 0.3112



9.5196, 0.4350, 0.3452

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.



15.8159, 0.3863, 0.3696



15.8159, 0.2468, 0.3112



15.8159, 0.3599, 0.3098

Square

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



15.8159, 0.2468, 0.3112



15.8159, 0.2865, 0.2702



15.8159, 0.3834, 0.3400



15.8159, 0.3360, 0.3959

Rectangle

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



15.8159, 0.2468, 0.3112



15.8159, 0.2515, 0.2720



15.8159, 0.3834, 0.3400



15.8159, 0.3764, 0.3852

Sweetspot

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



15.8165, 0.2468, 0.3112



34.4482, 0.2903, 0.3241



16.7252, 0.2993, 0.4612



7.9769, 0.2878, 0.3235



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.



15.8165, 0.2468, 0.3112



26.8673, 0.2362, 0.3067



9.6309, 0.2333, 0.2377



4.7968, 0.2993, 0.3262



12.9860, 0.2138, 0.2897



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.5144, 0.3314, 0.2266



14.5205, 0.3365, 0.2078



14.5530, 0.4035, 0.4046



4.4033, 0.3155, 0.3104



5.7055, 0.3546, 0.1727



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.8159, 0.2468, 0.3112 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 15.8159, 0.2468, 0.3112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

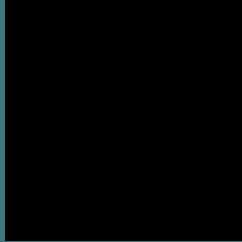
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8159, 0.2468, 0.3112

Background



This preview shows how black text looks on a background with the Yxy color 15.8159, 0.2468, 0.3112.



This preview shows how white text looks on a background with the Yxy color 15.8159, 0.2468, 0.3112.

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

15.8159, 0.2468, 0.3112

Protanopia

15.7835, 0.2981, 0.3068

Deuteranopia

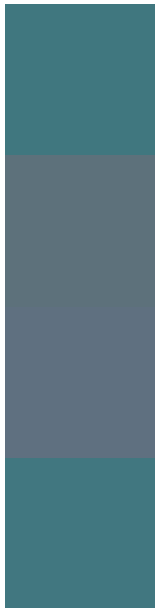
15.7548, 0.2925, 0.2879



Tritanopia

15.8760, 0.2467, 0.3091

Trichromacy



Original Color

15.8159, 0.2468, 0.3112

Protanomaly

15.5675, 0.2767, 0.3079

Deuteranomaly

15.5797, 0.2736, 0.2959

Tritanomaly

15.8760, 0.2467, 0.3091

Monochromacy



Original Color

15.8159, 0.2468, 0.3112

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.2310, 0.2834, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8159, 0.2468, 0.3112 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(64, 119, 127)` looks like.

```
.text, #text, p{  
    color:rgb(64, 119, 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(64, 119, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 119, 127) }
```

Border

The CSS property to change the border of an element to Yxy 15.8159, 0.2468, 0.3112 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(64, 119, 127) }
```

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

```
.border{ border-color:rgb(64, 119, 127) }
```

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

Here you see how a box with a 4 pixel rgb(64, 119, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 119, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 119, 127);  
box-shadow:4px 4px 4px 4px rgb(64, 119,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8159, 0.2468, 0.3112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 119, 127) }
```

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

```
.background{ background-color: rgb(64, 119,  
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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