

Converting Colors

$Y_{xy}(14.9515, 0.2823, 0.3046)$

Have a look what the booklet for
Yxy(14.9515, 0.2823, 0.3046)
contains.

Yxy(15.0191, 0.2819, 0.3057)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.0191, 0.2819, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	606E79
RGB	96, 110, 121
RGB Percent	38%, 43%, 47%
CMY	0.6236, 0.5686, 0.5254
CMYK	0.21, 0.09, 0.00, 0.53
HSL	206°, 12%, 43%
HSV	206°, 21%, 47%
XYZ	13.8498, 15.0191, 20.2613
YIQ	107.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

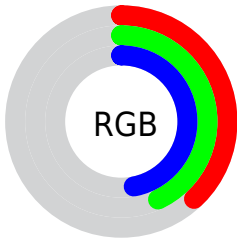
Format	Color
R_{YB}	96, 105, 121
Decimal	6319737
CIE _{Lab}	45.66, -2.67, -7.87
CIE _{LCh}	46, 8.311, 251.284
Yxy	15.0191, 0.2819, 0.3057
Android (android.graphics.Color)	4284509817 (0xFF606E79)
YUV	107.0680, 6.8685, -9.7066
Hunter-Lab	38.7545, -4.0293, -3.8694

Details

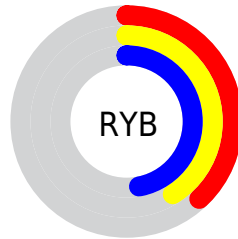
The Yxy color **15.0191, 0.2819, 0.3057** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.4220, 0.3474, 0.3512**, and the grayscale version is **14.7054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0608, 0.2898, 0.3126**, and **4.6759, 0.2684, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **13.2994, 0.2667, 0.2927**, and if you desaturate by 10%, it is **16.9100, 0.2970, 0.3176**.

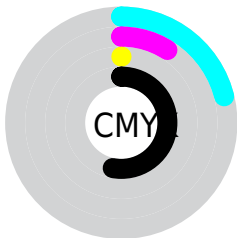
Distribution



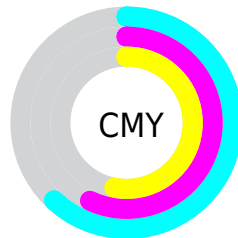
- Red (38%)
- Green (43%)
- Blue (47%)



- Red (38%)
- Yellow (41%)
- Blue (47%)



- Cyan (21%)
- Magenta (9%)
- Yellow (0%)
- Black (53%)



- Cyan (62%)
- Magenta (57%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0191, 0.2819, 0.3057 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 15.0191, 0.2819, 0.3057 by changing the saturation by 10% instead.

■ 15.0191, 0.2819,
0.3057

■ 15.0191, 0.2819,
0.3057

223.4818, 0.3001,
0.3196

■ 8.8328, 0.2761,
0.3012

■ 34.8867, 0.2893,
0.3114

■ 4.6323, 0.2676,
0.2944

■ 49.3367, 0.2919,
0.3134

■ 2.0332, 0.2540,
0.2835

■ 67.3102, 0.2939,
0.3149

■ 0.6266, 0.2196,
0.2594

■ 89.1914, 0.2956,
0.3162

■ 0.0000, 0.0000,
0.0000

115.3648, 0.2970,
0.3172

146.2147, 0.2981,

0.3181

182.1256, 0.2992,
0.3189

■ 15.0191, 0.2819,
0.3057

■ 15.0191, 0.2819,
0.3057

■ 13.2994, 0.2667,
0.2927

■ 16.9100, 0.2970,
0.3176

■ 11.7432, 0.2516,
0.2786

■ 18.9758, 0.3117,
0.3283

■ 10.3451, 0.2370,
0.2636

■ 21.2222, 0.3259,
0.3379

■ 9.0982, 0.2234,
0.2478

■ 23.6543, 0.3395,
0.3465

■ 7.9954, 0.2110,
0.2315

■ 26.2768, 0.3523,
0.3541

■ 7.0284, 0.2003,
0.2151

■ 29.0941, 0.3644,
0.3608

■ 6.1882, 0.1915,
0.1988

■ 32.1109, 0.3758,
0.3667

■ 5.4921, 0.1844,
0.1839

■ 35.3311, 0.3864,
0.3718

■ 38.7591, 0.3962,
0.3763

Harmonies

Analogous

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



15.0191, 0.2809, 0.3173



15.0191, 0.2819, 0.3057



15.0191, 0.2910, 0.3006

Triad

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



15.0191, 0.2819, 0.3057



15.0191, 0.3378, 0.3246



15.0191, 0.3188, 0.3570

Complementary

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



15.0191, 0.2819, 0.3057



15.4220, 0.3474, 0.3512

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.



15.0191, 0.3344, 0.3584



15.0191, 0.2819, 0.3057



15.0191, 0.3457, 0.3392

Square

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



15.0191, 0.2819, 0.3057



15.0191, 0.3232, 0.3115



15.0191, 0.3444, 0.3516



15.0191, 0.3018, 0.3475

Rectangle

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



15.0191, 0.2819, 0.3057



15.0191, 0.3005, 0.3013



15.0191, 0.3444, 0.3516



15.0191, 0.3244, 0.3585

Sweetspot

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



15.0197, 0.2819, 0.3057



31.9134, 0.3037, 0.3226



17.2209, 0.2983, 0.3591



7.2563, 0.3030, 0.3221



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.0197, 0.2819, 0.3057



25.3324, 0.2744, 0.2994



12.5363, 0.2802, 0.2786



4.2313, 0.2994, 0.3194



5.8620, 0.1843, 0.1834



26.2443, 0.1821, 0.1755

Inverse Universe

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



13.5538, 0.3306, 0.3010



22.2868, 0.3358, 0.2941



18.1850, 0.3429, 0.3748



4.0491, 0.3198, 0.3171



4.7986, 0.4645, 0.2332



22.7166, 0.4740, 0.2385

Previews

White Background



This preview shows how the Yxy color 15.0191, 0.2819, 0.3057 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 15.0191, 0.2819, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

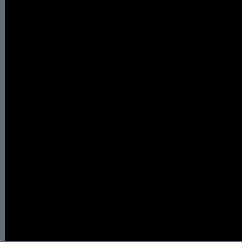
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

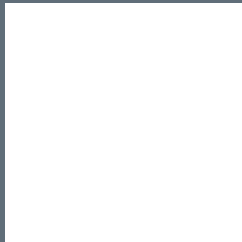
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.0191, 0.2819, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 15.0191, 0.2819, 0.3057.



This preview shows how white text looks on a background with the Yxy color 15.0191, 0.2819, 0.3057.

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

15.0191, 0.2819, 0.3057

Protanopia

14.9731, 0.2978, 0.3044

Deuteranopia

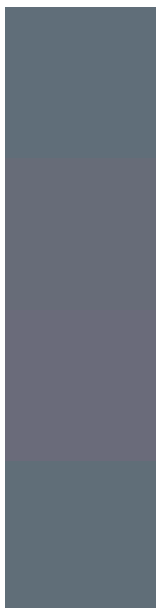
14.9530, 0.3008, 0.2950



Tritanopia

14.9706, 0.2841, 0.3098

Trichromacy



Original Color

15.0191, 0.2819, 0.3057

Protanomaly

14.9648, 0.2915, 0.3041

Deuteranomaly

14.9847, 0.2930, 0.2983

Tritanomaly

14.9947, 0.2830, 0.3078

Monochromacy



Original Color

15.0191, 0.2819, 0.3057

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.7785, 0.3010, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0191, 0.2819, 0.3057 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(96, 110, 121) looks like.

```
.text, #text, p{  
    color:rgb(96, 110, 121)  
}
```

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(96, 110, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 110, 121) }
```

Border

The CSS property to change the border of an element to Yxy 15.0191, 0.2819, 0.3057 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(96, 110, 121) }
```

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

```
.border{ border-color:rgb(96, 110, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 110, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 110, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 110, 121);  
box-shadow:4px 4px 4px 4px rgb(96, 110,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0191, 0.2819, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 110, 121) }
```

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

```
.background{ background-color: rgb(96, 110,  
121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor