

Converting Colors

$Y_{xy}(18.6880, 0.2571, 0.3038)$

Have a look what the booklet for
Yxy(18.6880, 0.2571, 0.3038)
contains.

Yxy(18.7171, 0.2568, 0.3029)	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(18.7171, 0.2568, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	557E8B
RGB	85, 126, 139
RGB Percent	33%, 49%, 55%
CMY	0.6666, 0.5059, 0.4548
CMYK	0.39, 0.09, 0.00, 0.45
HSL	194°, 24%, 44%
HSV	194°, 39%, 55%
XYZ	15.8684, 18.7171, 27.2075
YIQ	115.2230, -28.6090, -4.6490

Conversions

Conversions Part 2

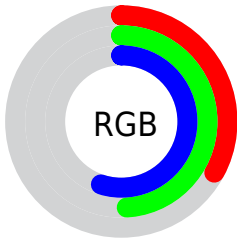
Format	Color
R_{YB}	85, 108, 139
Decimal	5602955
CIE _{Lab}	50.35, -10.69, -11.57
CIE _{LCh}	50, 15.752, 227.250
Yxy	18.7171, 0.2568, 0.3029
Android (android.graphics.Color)	4283793035 (0xFF557E8B)
YUV	115.2230, 11.7221, -26.5056
Hunter-Lab	43.2633, -10.2391, -7.0021

Details

The Yxy color **18.7171, 0.2568, 0.3029** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.8854, 0.3954, 0.3533**, and the grayscale version is **17.1868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3643, 0.2698, 0.3104**, and **6.3863, 0.2346, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **17.2874, 0.2441, 0.2950**, and if you desaturate by 10%, it is **20.3048, 0.2705, 0.3104**.

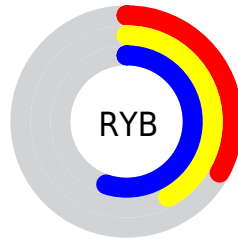
Distribution



Red (33%)

Green (49%)

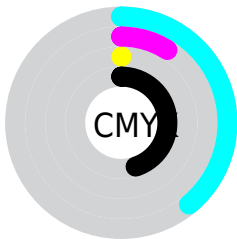
Blue (55%)



Red (33%)

Yellow (42%)

Blue (55%)

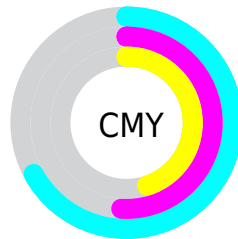


Cyan (39%)

Magenta (9%)

Yellow (0%)

Black (45%)



Cyan (67%)

Magenta (51%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7171, 0.2568, 0.3029 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 18.7171, 0.2568, 0.3029 by changing the saturation by 10% instead.

■ 18.7171, 0.2568,
0.3029

■ 18.7171, 0.2568,
0.3029

■ 244.8825, 0.2884,
0.3184

■ 11.4660, 0.2474,
0.2980

■ 41.2555, 0.2693,
0.3092

■ 6.3812, 0.2343,
0.2908

■ 57.3117, 0.2737,
0.3114

■ 3.0782, 0.2149,
0.2794

■ 77.0716, 0.2773,
0.3131

■ 1.1727, 0.1832,
0.2593

■ 100.9198, 0.2802,
0.3145

■ 0.0393, 0.0000,
0.0441

■ 129.2406, 0.2828,
0.3157

■ 0.0000, 0.0000,
0.0000

162.4184, 0.2849,

0.3167

200.8375, 0.2868,
0.3176

■ 18.7171, 0.2568,
0.3029

■ 18.7171, 0.2568,
0.3029

■ 17.2874, 0.2441,
0.2950

■ 20.3048, 0.2705,
0.3104

■ 16.0057, 0.2327,
0.2867

■ 22.0555, 0.2848,
0.3174

■ 14.8641, 0.2228,
0.2781

■ 23.9766, 0.2996,
0.3238

■ 13.8530, 0.2147,
0.2694

■ 26.0743, 0.3144,
0.3296

■ 12.9613, 0.2084,
0.2607

■ 28.3546, 0.3292,
0.3349

■ 12.1626, 0.2036,
0.2521

■ 30.8231, 0.3437,
0.3396

■ 12.0732, 0.2031,
0.2511

■ 33.4852, 0.3578,
0.3438

■ 36.3459, 0.3714,
0.3475

■ 39.4102, 0.3844,
0.3508

Harmonies

Analogous

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



18.7171, 0.2662, 0.3294



18.7171, 0.2568, 0.3029



18.7171, 0.2614, 0.2853

Triad

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



18.7171, 0.2568, 0.3029



18.7171, 0.3367, 0.3027



18.7171, 0.3456, 0.3820

Complementary

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



18.7171, 0.2568, 0.3029



14.8854, 0.3954, 0.3533

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.



18.7171, 0.3661, 0.3715



18.7171, 0.2568, 0.3029



18.7171, 0.3611, 0.3258

Square

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



18.7171, 0.2568, 0.3029



18.7171, 0.3064, 0.2862



18.7171, 0.3721, 0.3506



18.7171, 0.3168, 0.3772

Rectangle

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



18.7171, 0.2568, 0.3029



18.7171, 0.2719, 0.2802



18.7171, 0.3721, 0.3506



18.7171, 0.3537, 0.3800

Sweetspot

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



18.7178, 0.2568, 0.3029



41.7204, 0.2945, 0.3217



21.2753, 0.2962, 0.4155



9.5247, 0.2929, 0.3210



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.



18.7178, 0.2568, 0.3029



31.1539, 0.2451, 0.2956



12.7974, 0.2486, 0.2464



5.4879, 0.2991, 0.3236



10.9216, 0.2032, 0.2514



0.0952, 0.2144, 0.2918

Inverse Universe

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



13.4946, 0.3360, 0.2567



20.7448, 0.3433, 0.2403



20.7153, 0.3775, 0.3995



5.1087, 0.3171, 0.3126



5.8867, 0.3908, 0.1926



0.0414, 0.3527, 0.1717

Previews

White Background



This preview shows how the Yxy color 18.7171, 0.2568, 0.3029 looks on a white 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

Black Background



This preview shows how the Yxy color 18.7171, 0.2568, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

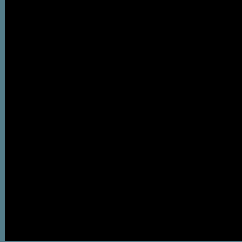
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

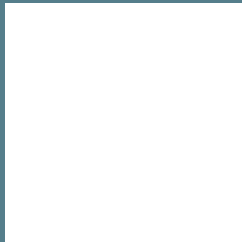
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.7171, 0.2568, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 18.7171, 0.2568, 0.3029.



This preview shows how white text looks on a background with the Yxy color 18.7171, 0.2568, 0.3029.

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

18.7171, 0.2568, 0.3029

Protanopia

18.6968, 0.2935, 0.3009

Deuteranopia

18.7106, 0.2906, 0.2853



Tritanopia

18.6127, 0.2576, 0.3067

Trichromacy



Original Color

18.7171, 0.2568, 0.3029

Protanomaly

18.6999, 0.2782, 0.3020

Deuteranomaly

18.5145, 0.2773, 0.2911

Tritanomaly

18.6415, 0.2568, 0.3048

Monochromacy



Original Color

18.7171, 0.2568, 0.3029

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.5919, 0.2890, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7171, 0.2568, 0.3029 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(85, 126, 139) looks like.

```
.text, #text, p{  
    color:rgb(85, 126, 139)  
}
```

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(85, 126, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 126, 139) }
```

Border

The CSS property to change the border of an element to Yxy 18.7171, 0.2568, 0.3029 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(85, 126, 139) }
```

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

```
.border{ border-color:rgb(85, 126, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 126, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 126, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 126, 139);  
box-shadow:4px 4px 4px 4px rgb(85, 126,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7171, 0.2568, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 126, 139) }
```

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

```
.background{ background-color: rgb(85, 126,  
139) }
```

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