

Converting Colors

$Y_{xy}(18.4232, 0.2574, 0.2904)$

Have a look what the booklet for
Yxy(18.4232, 0.2574, 0.2904)
contains.

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Color

Yxy(18.3227, 0.2570, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	5A7B8F
RGB	90, 123, 143
RGB Percent	35%, 48%, 56%
CMY	0.6472, 0.5176, 0.4392
CMYK	0.37, 0.14, 0.00, 0.44
HSL	203°, 23%, 46%
HSV	203°, 37%, 56%
XYZ	16.2545, 18.3227, 28.6699
YIQ	115.4130, -26.0880, -0.7760

Conversions

Conversions Part 2

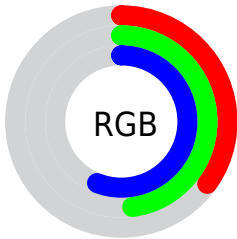
Format	Color
R_{YB}	90, 110, 143
Decimal	5929871
CIE _{Lab}	49.89, -6.45, -14.59
CIE _{LCh}	50, 15.958, 246.142
Yxy	18.3227, 0.2570, 0.2897
Android (android.graphics.Color)	4284119951 (0xFF5A7B8F)
YUV	115.4130, 13.6004, -22.2872
Hunter-Lab	42.8050, -7.1263, -9.7477

Details

The Yxy color **18.3227, 0.2570, 0.2897** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.7202, 0.3860, 0.3649**, and the grayscale version is **17.2380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4419, 0.2694, 0.2980**, and **6.1390, 0.2335, 0.2704** is the 20% darker color. If you saturate the color by 10%, you get **16.3733, 0.2427, 0.2770**, and if you desaturate by 10%, it is **20.4852, 0.2719, 0.3016**.

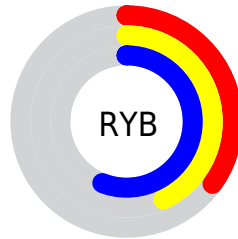
Distribution



 Red (35%)

 Green (48%)

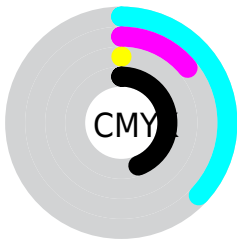
 Blue (56%)




 Red (35%)

 Yellow (43%)

 Blue (56%)

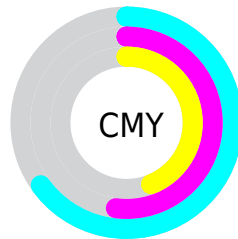


 Cyan (37%)

 Magenta (14%)

 Yellow (0%)

 Black (44%)



 Cyan (65%)

 Magenta (52%)

 Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3227, 0.2570, 0.2897 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 18.3227, 0.2570, 0.2897 by changing the saturation by 10% instead.

■ 18.3227, 0.2570,
0.2897

■ 18.3227, 0.2570,
0.2897

■ 242.6837, 0.2886,
0.3126

■ 11.1819, 0.2476,
0.2826

■ 40.5864, 0.2695,
0.2989

■ 6.1893, 0.2345,
0.2725

■ 56.4782, 0.2739,
0.3021

■ 2.9605, 0.2149,
0.2570

■ 76.0557, 0.2775,
0.3047

■ 1.1112, 0.1832,
0.2305

■ 99.7034, 0.2805,
0.3068

■ 0.0000, 0.0000,
0.0000

■ 127.8056, 0.2830,
0.3086

■ 160.7468, 0.2851,

0.3101

198.9114, 0.2870,
0.3114

■ 18.3227, 0.2570,
0.2897

■ 18.3227, 0.2570,
0.2897

■ 16.3733, 0.2427,
0.2770

■ 20.4852, 0.2719,
0.3016

■ 14.6257, 0.2293,
0.2636

■ 22.8670, 0.2870,
0.3125

■ 13.0706, 0.2172,
0.2496

■ 25.4769, 0.3022,
0.3225

■ 11.6970, 0.2068,
0.2355

■ 28.3222, 0.3170,
0.3315

■ 10.4924, 0.1983,
0.2213

■ 31.4101, 0.3314,
0.3396

■ 9.4352, 0.1917,
0.2073

■ 34.7472, 0.3452,
0.3467

■ 9.1449, 0.1898,
0.2033

■ 38.3401, 0.3583,
0.3531

■ 42.1949, 0.3708,
0.3586

■ 46.3176, 0.3825,
0.3635

Harmonies

Analogous

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



18.3227, 0.2576, 0.3116



18.3227, 0.2570, 0.2897



18.3227, 0.2704, 0.2794

Triad

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



18.3227, 0.2570, 0.2897



18.3227, 0.3541, 0.3165



18.3227, 0.3282, 0.3820

Complementary

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



18.3227, 0.2570, 0.2897



17.7202, 0.3860, 0.3649

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.



18.3227, 0.3554, 0.3807



18.3227, 0.2570, 0.2897



18.3227, 0.3711, 0.3418

Square

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



18.3227, 0.2570, 0.2897



18.3227, 0.3259, 0.2950



18.3227, 0.3714, 0.3653



18.3227, 0.2977, 0.3670

Rectangle

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



18.3227, 0.2570, 0.2897



18.3227, 0.2859, 0.2795



18.3227, 0.3714, 0.3653



18.3227, 0.3380, 0.3834

Sweetspot

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



18.3234, 0.2570, 0.2897



43.6359, 0.2959, 0.3185



22.9322, 0.2906, 0.3962



9.8783, 0.2941, 0.3173



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



18.3234, 0.2570, 0.2897



29.6994, 0.2443, 0.2785



12.7099, 0.2495, 0.2358



5.7793, 0.2990, 0.3205



8.1258, 0.1900, 0.2039



0.1202, 0.2073, 0.2661

Inverse Universe

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



14.5758, 0.3455, 0.2714



22.3882, 0.3564, 0.2578



24.1681, 0.3704, 0.4075



5.4770, 0.3191, 0.3154



5.8066, 0.4408, 0.2202



0.0598, 0.3765, 0.1848

Previews

White Background



This preview shows how the Yxy color 18.3227, 0.2570, 0.2897 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 18.3227, 0.2570, 0.2897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

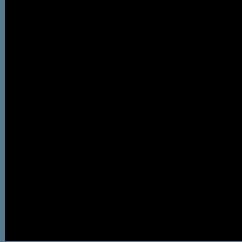
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

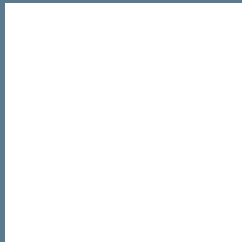
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.3227, 0.2570, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 18.3227, 0.2570, 0.2897.

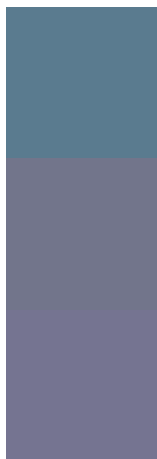


This preview shows how white text looks on a background with the Yxy color 18.3227, 0.2570, 0.2897.

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

18.3227, 0.2570, 0.2897

Protanopia

18.1641, 0.2846, 0.2878

Deuteranopia

18.3170, 0.2817, 0.2761



Tritanopia

18.2112, 0.2633, 0.3087

Trichromacy



Original Color

18.3227, 0.2570, 0.2897

Protanomaly

18.0904, 0.2739, 0.2888

Deuteranomaly

18.3331, 0.2721, 0.2820

Tritanomaly

18.3453, 0.2616, 0.3029

Monochromacy



Original Color

18.3227, 0.2570, 0.2897

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.5017, 0.2902, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3227, 0.2570, 0.2897 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(90, 123, 143)` looks like.

```
.text, #text, p{  
    color:rgb(90, 123, 143)  
}
```

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(90, 123, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 123, 143) }
```

Border

The CSS property to change the border of an element to Yxy 18.3227, 0.2570, 0.2897 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(90, 123, 143) }
```

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

```
.border{ border-color:rgb(90, 123, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 123, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 123, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 123, 143);  
box-shadow:4px 4px 4px 4px rgb(90, 123,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3227, 0.2570, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 123, 143) }
```

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

```
.background{ background-color: rgb(90, 123,  
143) }
```

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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