

Converting Colors

$Y_{xy}(18.8477, 0.2581, 0.3028)$

Have a look what the booklet for
Yxy(18.8477, 0.2581, 0.3028)
contains.

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Color

Yxy(18.8120, 0.2586, 0.3031)

Conversions

Conversions Part 1

Format	Color
Hex	577E8B
RGB	87, 126, 139
RGB Percent	34%, 49%, 55%
CMY	0.6588, 0.5059, 0.4550
CMYK	0.37, 0.09, 0.00, 0.45
HSL	195°, 23%, 44%
HSV	195°, 37%, 55%
XYZ	16.0501, 18.8120, 27.2032
YIQ	115.8210, -27.4170, -4.2250

Conversions

Conversions Part 2

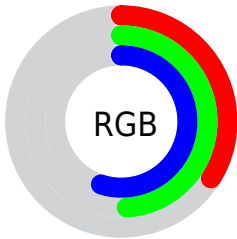
Format	Color
R_{YB}	87, 109, 139
Decimal	5734027
CIE _{Lab}	50.47, -10.13, -11.37
CIE _{LCh}	50, 15.225, 228.299
Yxy	18.8120, 0.2586, 0.3031
Android (android.graphics.Color)	4283924107 (0xFF577E8B)
YUV	115.8210, 11.4272, -25.2760
Hunter-Lab	43.3728, -9.8485, -6.8255

Details

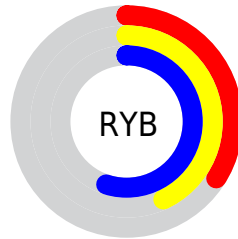
The Yxy color **18.8120, 0.2586, 0.3031** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.2847, 0.3909, 0.3532**, and the grayscale version is **17.3780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5349, 0.2712, 0.3104**, and **6.4223, 0.2366, 0.2912** is the 20% darker color. If you saturate the color by 10%, you get **17.3350, 0.2457, 0.2949**, and if you desaturate by 10%, it is **20.4500, 0.2725, 0.3108**.

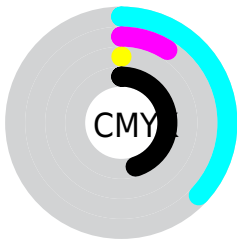
Distribution



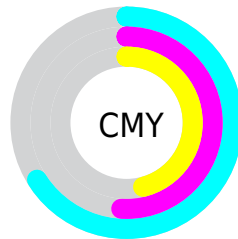
- Red (34%)
- Green (49%)
- Blue (55%)



- Red (34%)
- Yellow (43%)
- Blue (55%)



- Cyan (37%)
- Magenta (9%)
- Yellow (0%)
- Black (45%)



- Cyan (66%)
- Magenta (51%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8120, 0.2586, 0.3031 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 18.8120, 0.2586, 0.3031 by changing the saturation by 10% instead.

■ 18.8120, 0.2586,
0.3031

■ 18.8120, 0.2586,
0.3031

■ 245.4089, 0.2892,
0.3184

■ 11.5345, 0.2495,
0.2982

■ 41.4162, 0.2707,
0.3094

■ 6.4276, 0.2368,
0.2912

■ 57.5117, 0.2749,
0.3115

■ 3.1068, 0.2180,
0.2800

■ 77.3153, 0.2784,
0.3132

■ 1.1877, 0.1872,
0.2603

■ 101.2114, 0.2813,
0.3146

■ 0.0516, 0.0000,
0.0572

■ 129.5844, 0.2837,
0.3158

■ 0.0000, 0.0000,
0.0000

162.8188, 0.2858,

0.3168

201.2988, 0.2876,
0.3177

■ 18.8120, 0.2586,
0.3031

■ 18.8120, 0.2586,
0.3031

■ 17.3350, 0.2457,
0.2949

■ 20.4500, 0.2725,
0.3108

■ 16.0092, 0.2339,
0.2864

■ 22.2540, 0.2869,
0.3180

■ 14.8267, 0.2237,
0.2775

■ 24.2313, 0.3017,
0.3245

■ 13.7780, 0.2152,
0.2685

■ 26.3882, 0.3166,
0.3305

■ 12.8523, 0.2086,
0.2594

■ 28.7306, 0.3313,
0.3359

■ 12.0289, 0.2035,
0.2505

■ 31.2641, 0.3457,
0.3407

■ 11.8225, 0.2023,
0.2481

■ 33.9940, 0.3597,
0.3449

■ 36.9254, 0.3731,
0.3487

■ 40.0633, 0.3859,
0.3520

Harmonies

Analogous

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



18.8120, 0.2673, 0.3285



18.8120, 0.2586, 0.3031



18.8120, 0.2635, 0.2864

Triad

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



18.8120, 0.2586, 0.3031



18.8120, 0.3368, 0.3043



18.8120, 0.3436, 0.3802

Complementary

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



18.8120, 0.2586, 0.3031



15.2847, 0.3909, 0.3532

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.



18.8120, 0.3638, 0.3706



18.8120, 0.2586, 0.3031



18.8120, 0.3601, 0.3268

Square

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



18.8120, 0.2586, 0.3031



18.8120, 0.3077, 0.2880



18.8120, 0.3700, 0.3508



18.8120, 0.3157, 0.3750

Rectangle

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



18.8120, 0.2586, 0.3031



18.8120, 0.2740, 0.2817



18.8120, 0.3700, 0.3508



18.8120, 0.3515, 0.3785

Sweetspot

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



18.8127, 0.2586, 0.3031



42.0109, 0.2960, 0.3221



21.3889, 0.2967, 0.4116



9.5839, 0.2943, 0.3213



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.



18.8127, 0.2586, 0.3031



31.4134, 0.2474, 0.2961



13.1701, 0.2512, 0.2501



5.4808, 0.2991, 0.3234



10.7015, 0.2024, 0.2485



0.0943, 0.2140, 0.2903

Inverse Universe

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



13.8100, 0.3356, 0.2601



21.4264, 0.3425, 0.2447



20.8726, 0.3748, 0.3969



5.1080, 0.3172, 0.3127



5.8645, 0.3938, 0.1943



0.0413, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 18.8120, 0.2586, 0.3031 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 18.8120, 0.2586, 0.3031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

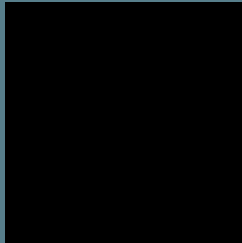
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

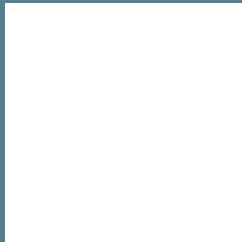
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.8120, 0.2586, 0.3031

Background



This preview shows how black text looks on a background with the Yxy color 18.8120, 0.2586, 0.3031.



This preview shows how white text looks on a background with the Yxy color 18.8120, 0.2586, 0.3031.

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

18.8120, 0.2586, 0.3031

Protanopia

18.6968, 0.2935, 0.3009

Deuteranopia

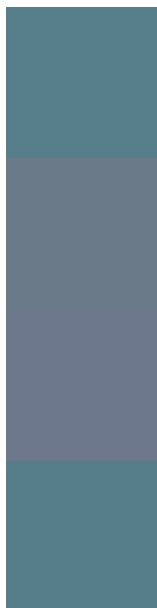
18.7106, 0.2906, 0.2853



Tritanopia

18.7063, 0.2594, 0.3068

Trichromacy



Original Color

18.8120, 0.2586, 0.3031

Protanomaly

18.7608, 0.2793, 0.3021

Deuteranomaly

18.5776, 0.2783, 0.2912

Tritanomaly

18.7351, 0.2585, 0.3049

Monochromacy



Original Color

18.8120, 0.2586, 0.3031

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.8914, 0.2903, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8120, 0.2586, 0.3031 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(87, 126, 139)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 126, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 126, 139) }
```

Border

The CSS property to change the border of an element to Yxy 18.8120, 0.2586, 0.3031 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(87, 126, 139) }
```

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

```
.border{ border-color:rgb(87, 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(87, 126, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 126, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 126, 139);  
box-shadow:4px 4px 4px 4px rgb(87, 126,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8120, 0.2586, 0.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 126, 139) }
```

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

```
.background{ background-color: rgb(87, 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](#).

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