

Converting Colors

$Y_{xy}(18.0791, 0.2560, 0.2704)$

Have a look what the booklet for
Yxy(18.0791, 0.2560, 0.2704)
contains.

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Color

Yxy(18.2087, 0.2560, 0.2705)

Conversions

Conversions Part 1	
Format	Color
Hex	617897
RGB	97, 120, 151
RGB Percent	38%, 47%, 59%
CMY	0.6195, 0.5294, 0.4079
CMYK	0.36, 0.21, 0.00, 0.41
HSL	214°, 22%, 49%
HSV	214°, 36%, 59%
XYZ	17.2326, 18.2087, 31.8736
YIQ	116.6570, -23.6590, 4.7650

Conversions

Conversions Part 2

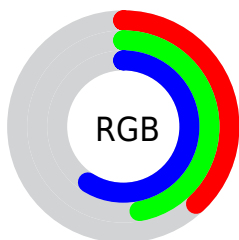
Format	Color
RYB	97, 113, 151
Decimal	6387863
CIELab	49.75, -0.41, -19.44
CIELCh	50, 19.442, 268.805
Yxy	18.2087, 0.2560, 0.2705
Android (android.graphics.Color)	4284577943 (0xFF617897)
YUV	116.6570, 16.9311, -17.2392
Hunter-Lab	42.6717, -2.5895, -14.4166

Details

The Yxy color $18.2087, 0.2560, 0.2705$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $22.8802, 0.3769, 0.3810$, and the grayscale version is $17.6315, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.3024, 0.2688, 0.2838$, and $6.1592, 0.2326, 0.2475$ is the 20% darker color. If you saturate the color by 10%, you get $15.4655, 0.2394, 0.2506$, and if you desaturate by 10%, it is $21.3000, 0.2725, 0.2890$.

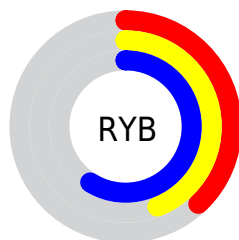
Distribution



Red (38%)

Green (47%)

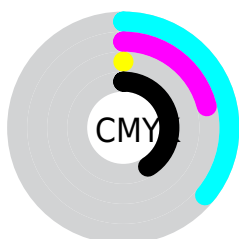
Blue (59%)



Red (38%)

Yellow (44%)

Blue (59%)

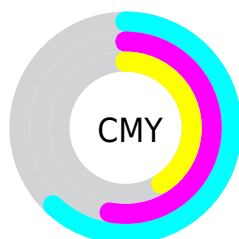


Cyan (36%)

Magenta (21%)

Yellow (0%)

Black (41%)



Cyan (62%)


Magenta (53%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2087, 0.2560, 0.2705 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 18.2087, 0.2560, 0.2705 by changing the saturation by 10% instead.


 18.2087, 0.2560,
0.2705


 18.2087, 0.2560,
0.2705


242.0448, 0.2882,
0.3038


 11.0999, 0.2464,
0.2606


 40.3926, 0.2688,
0.2837


 6.1341, 0.2331,
0.2467

 56.2366, 0.2732,
0.2883

 2.9268, 0.2133,
0.2262

 75.7610, 0.2769,
0.2921

 1.0936, 0.1816,
0.1932

 99.3504, 0.2799,
0.2952

 0.0000, 0.0000,
0.0000

127.3890, 0.2825,
0.2979

160.2614, 0.2847,

0.3001

198.3518, 0.2866,
0.3021

■ 18.2087, 0.2560,
0.2705

■ 18.2087, 0.2560,
0.2705

■ 15.4655, 0.2394,
0.2506

■ 21.3000, 0.2725,
0.2890

■ 13.0543, 0.2234,
0.2295

■ 24.7503, 0.2887,
0.3058

■ 10.9608, 0.2083,
0.2078

■ 28.5727, 0.3042,
0.3210

■ 9.1683, 0.1949,
0.1859

■ 32.7788, 0.3189,
0.3346

■ 7.6585, 0.1836,
0.1647

■ 37.3797, 0.3326,
0.3466

■ 6.4077, 0.1748,
0.1449

■ 42.3862, 0.3454,
0.3572

■ 5.9326, 0.1713,
0.1367

■ 47.8084, 0.3572,
0.3665

■ 53.6562, 0.3681,
0.3747

■ 59.9391, 0.3781,
0.3818

Harmonies

Analogous

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



18.2087, 0.2440, 0.2862



18.2087, 0.2560, 0.2705



18.2087, 0.2828, 0.2699

Triad

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



18.2087, 0.2560, 0.2705



18.2087, 0.3809, 0.3364



18.2087, 0.3030, 0.3822

Complementary

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



18.2087, 0.2560, 0.2705



22.8802, 0.3769, 0.3810

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.



18.2087, 0.3400, 0.3957



18.2087, 0.2560, 0.2705



18.2087, 0.3863, 0.3660

Square

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



18.2087, 0.2560, 0.2705



18.2087, 0.3557, 0.3067



18.2087, 0.3709, 0.3885



18.2087, 0.2699, 0.3515

Rectangle

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



18.2087, 0.2560, 0.2705



18.2087, 0.3065, 0.2773



18.2087, 0.3709, 0.3885



18.2087, 0.3154, 0.3890

Sweetspot

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



18.2094, 0.2560, 0.2705



47.3462, 0.2958, 0.3129



26.2162, 0.2823, 0.3725



10.5716, 0.2939, 0.3110



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



18.2094, 0.2560, 0.2705



28.5800, 0.2425, 0.2544



13.5335, 0.2540, 0.2263



6.4371, 0.2989, 0.3159



5.1031, 0.1716, 0.1379



0.1463, 0.1940, 0.2183

Inverse Universe

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



16.4878, 0.3597, 0.2903



25.4873, 0.3752, 0.2815



29.2270, 0.3609, 0.4165



6.2642, 0.3220, 0.3196



5.9205, 0.5219, 0.2649



0.0956, 0.4250, 0.2115

Previews

White Background



This preview shows how the Yxy color 18.2087, 0.2560, 0.2705 looks on a white background.

Color Contrast Check

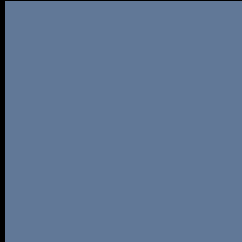
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2087, 0.2560, 0.2705 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

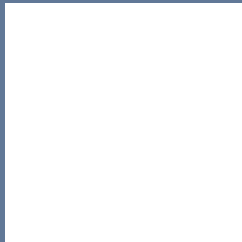
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.2087, 0.2560, 0.2705

Background



This preview shows how black text looks on a background with the Yxy color 18.2087, 0.2560, 0.2705.

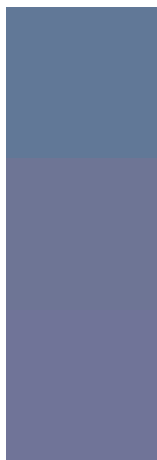


This preview shows how white text looks on a background with the Yxy color 18.2087, 0.2560, 0.2705.

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

18.2087, 0.2560, 0.2705

Protanopia

18.2075, 0.2702, 0.2701

Deuteranopia

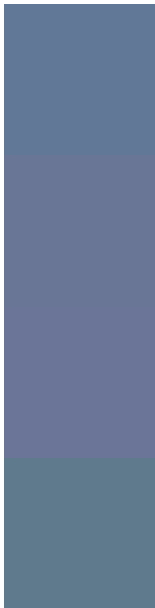
18.2025, 0.2693, 0.2637



Tritanopia

18.1865, 0.2688, 0.3089

Trichromacy



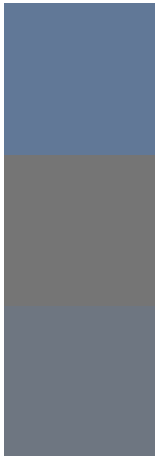
Original Color
18.2087, 0.2560, 0.2705

Protanomaly
18.1621, 0.2643, 0.2695

Deuteranomaly
18.1154, 0.2643, 0.2646

Tritanomaly
18.1922, 0.2632, 0.2936

Monochromacy



Original Color
18.2087, 0.2560, 0.2705

Achromatopsia
17.7888, 0.3127, 0.3290

Achromatomaly
17.8568, 0.2906, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2087, 0.2560, 0.2705 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(97, 120, 151) looks like.

```
.text, #text, p{  
    color:rgb(97, 120, 151)  
}
```

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(97, 120, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 120, 151) }
```

Border

The CSS property to change the border of an element to Yxy 18.2087, 0.2560, 0.2705 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(97, 120, 151) }
```

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

```
.border{ border-color:rgb(97, 120, 151) }
```

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

Here you see how a box with a 4 pixel rgb(97, 120, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 120, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 120, 151);  
box-shadow:4px 4px 4px 4px rgb(97, 120,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2087, 0.2560, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 120, 151) }
```

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

```
.background{ background-color: rgb(97, 120,  
151) }
```

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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