

Converting Colors

$Y_{xy}(18.2078, 0.2425, 0.2616)$

Have a look what the booklet for
Yxy(18.2078, 0.2425, 0.2616)
contains.

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Color

Yxy(18.1353, 0.2425, 0.2609)

Conversions

Conversions Part 1

Format	Color
Hex	57799D
RGB	87, 121, 157
RGB Percent	34%, 47%, 62%
CMY	0.6587, 0.5255, 0.3842
CMYK	0.45, 0.23, 0.00, 0.38
HSL	211°, 29%, 48%
HSV	211°, 45%, 62%
XYZ	16.8563, 18.1353, 34.5189
YIQ	114.9380, -31.8200, 3.9880

Conversions

Conversions Part 2

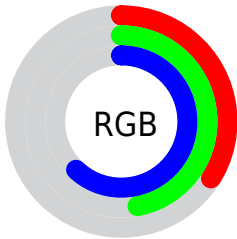
Format	Color
R _Y B	87, 110, 157
Decimal	5732765
CIE Lab	49.66, -2.10, -23.17
CIE LCh	50, 23.262, 264.822
Yxy	18.1353, 0.2425, 0.2609
Android (android.graphics.Color)	4283922845 (0xFF57799D)
YUV	114.9380, 20.7366, -24.5016
Hunter-Lab	42.5856, -3.8705, -18.2493

Details

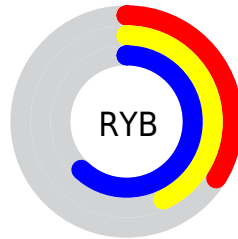
The Yxy color **18.1353, 0.2425, 0.2609** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.0361, 0.3997, 0.3877**, and the grayscale version is **17.0697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2161, 0.2580, 0.2756**, and **6.1458, 0.2145, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **15.5779, 0.2270, 0.2422**, and if you desaturate by 10%, it is **21.0230, 0.2585, 0.2786**.

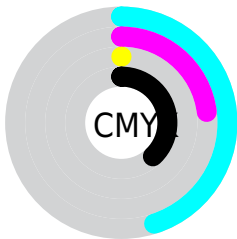
Distribution



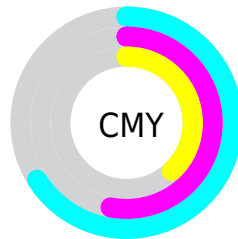
- Red (34%)
- Green (47%)
- Blue (62%)



- Red (34%)
- Yellow (43%)
- Blue (62%)



- Cyan (45%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)



- Cyan (66%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1353, 0.2425, 0.2609 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 18.1353, 0.2425, 0.2609 by changing the saturation by 10% instead.

■ 18.1353, 0.2425,
0.2609

■ 18.1353, 0.2425,
0.2609

■ 241.6326, 0.2821,
0.2996

■ 11.0472, 0.2309,
0.2495

■ 40.2677, 0.2581,
0.2762

■ 6.0986, 0.2150,
0.2336

■ 56.0808, 0.2636,
0.2816

■ 2.9051, 0.1919,
0.2104

■ 75.5710, 0.2681,
0.2860

■ 1.0824, 0.1561,
0.1740

■ 99.1228, 0.2718,
0.2896

■ 0.0000, 0.0000,
0.0000

■ 127.1204, 0.2750,
0.2927

■ 159.9483, 0.2777,

0.2954

197.9909, 0.2801,
0.2976

■ 18.1353, 0.2425,
0.2609

■ 18.1353, 0.2425,
0.2609

■ 15.5779, 0.2270,
0.2422

■ 21.0230, 0.2585,
0.2786

■ 13.3340, 0.2126,
0.2227

■ 24.2527, 0.2746,
0.2949

■ 11.3881, 0.1998,
0.2029

■ 27.8377, 0.2905,
0.3098

■ 9.7220, 0.1890,
0.1835

■ 31.7903, 0.3059,
0.3233

■ 8.3141, 0.1805,
0.1648

■ 36.1216, 0.3206,
0.3354

■ 7.6328, 0.1764,
0.1550

■ 40.8427, 0.3345,
0.3460

■ 45.9639, 0.3475,
0.3555

■ 51.4952, 0.3596,
0.3638

■ 57.4461, 0.3709,
0.3710

Harmonies

Analogous

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



18.1353, 0.2311, 0.2812



18.1353, 0.2425, 0.2609



18.1353, 0.2718, 0.2583

Triad

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



18.1353, 0.2425, 0.2609



18.1353, 0.3918, 0.3322



18.1353, 0.3064, 0.3972

Complementary

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



18.1353, 0.2425, 0.2609



22.0361, 0.3997, 0.3877

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.



18.1353, 0.3504, 0.4096



18.1353, 0.2425, 0.2609



18.1353, 0.4016, 0.3678

Square

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



18.1353, 0.2425, 0.2609



18.1353, 0.3588, 0.2981



18.1353, 0.3857, 0.3969



18.1353, 0.2661, 0.3617

Rectangle

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



18.1353, 0.2425, 0.2609



18.1353, 0.2991, 0.2657



18.1353, 0.3857, 0.3969



18.1353, 0.3213, 0.4043

Sweetspot

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



18.1360, 0.2425, 0.2609



50.7425, 0.2926, 0.3117



27.5537, 0.2796, 0.3949



10.8572, 0.2894, 0.3088



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.1360, 0.2425, 0.2609



28.1315, 0.2279, 0.2432



11.2823, 0.2312, 0.1942



6.9400, 0.2988, 0.3172



6.2713, 0.1768, 0.1564



0.1966, 0.1970, 0.2291

Inverse Universe

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



15.3705, 0.3702, 0.2740



23.3306, 0.3887, 0.2632



31.9793, 0.3772, 0.4357



6.6971, 0.3212, 0.3182



6.2553, 0.4977, 0.2515



0.1204, 0.4135, 0.2052

Previews

White Background



This preview shows how the Yxy color 18.1353, 0.2425, 0.2609 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 18.1353, 0.2425, 0.2609 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

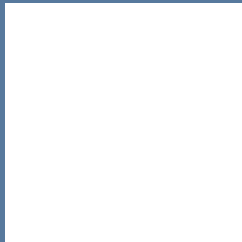
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.1353, 0.2425, 0.2609

Background



This preview shows how black text looks on a background with the Yxy color 18.1353, 0.2425, 0.2609.

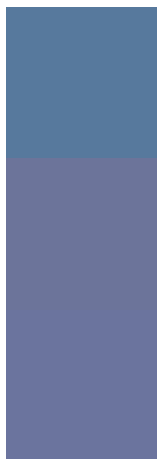


This preview shows how white text looks on a background with the Yxy color 18.1353, 0.2425, 0.2609.

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

18.1353, 0.2425, 0.2609

Protanopia

18.0120, 0.2633, 0.2597

Deuteranopia

18.0852, 0.2587, 0.2532



Tritanopia

18.1658, 0.2564, 0.3084

Trichromacy



Original Color

18.1353, 0.2425, 0.2609

Protanomaly

18.0327, 0.2549, 0.2604

Deuteranomaly

18.1348, 0.2524, 0.2556

Tritanomaly

18.2375, 0.2511, 0.2911

Monochromacy



Original Color

18.1353, 0.2425, 0.2609

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.3375, 0.2837, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1353, 0.2425, 0.2609 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, 121, 157)` looks like.

```
.text, #text, p{  
  color:rgb(87, 121, 157)  
}
```

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, 121, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 121, 157) }
```

Border

The CSS property to change the border of an element to Yxy 18.1353, 0.2425, 0.2609 is called "border". The border property can be set on classes, ids or directly on the HTML element.

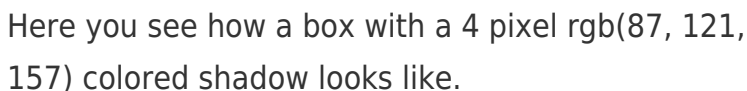
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 121, 157) }
```

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

```
.border{ border-color:rgb(87, 121, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(87, 121, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 121, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 121, 157);  
box-shadow:4px 4px 4px 4px rgb(87, 121,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1353, 0.2425, 0.2609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 121, 157) }
```

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

```
.background{ background-color: rgb(87, 121,  
157) }
```

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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