

Converting Colors

$Y_{xy}(18.4763, 0.2308, 0.2344)$

Have a look what the booklet for
Yxy(18.4763, 0.2308, 0.2344)
contains.

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Color

Yxy(18.4763, 0.2308, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	5778AD
RGB	87, 120, 173
RGB Percent	34%, 47%, 68%
CMY	0.6588, 0.5294, 0.3215
CMYK	0.50, 0.31, 0.00, 0.32
HSL	217°, 34%, 51%
HSV	217°, 50%, 68%
XYZ	18.1925, 18.4763, 42.1550
YIQ	116.1750, -36.6810, 9.4870

Conversions

Conversions Part 2

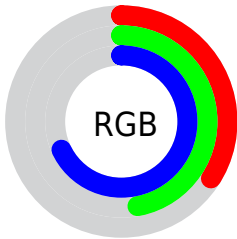
Format	Color
R _Y B	87, 111, 173
Decimal	5732525
CIE Lab	50.07, 3.37, -31.86
CIE LCh	50, 32.033, 276.044
Yxy	18.4763, 0.2308, 0.2344
Android (android.graphics.Color)	4283922605 (0xFF5778AD)
YUV	116.1750, 28.0147, -25.5865
Hunter-Lab	42.9841, 0.3260, -28.0575

Details

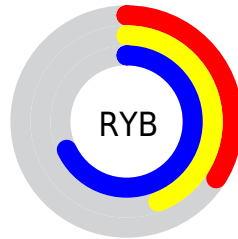
The Yxy color **18.4763, 0.2308, 0.2344** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.3452, 0.4067, 0.4067**, and the grayscale version is **17.4438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8249, 0.2483, 0.2542**, and **6.2668, 0.2004, 0.2011** is the 20% darker color. If you saturate the color by 10%, you get **15.3168, 0.2144, 0.2111**, and if you desaturate by 10%, it is **22.1226, 0.2479, 0.2567**.

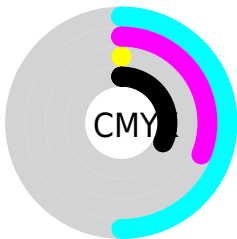
Distribution



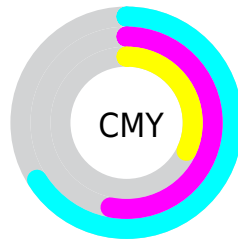
- Red (34%)
- Green (47%)
- Blue (68%)



- Red (34%)
- Yellow (44%)
- Blue (68%)



- Cyan (50%)
- Magenta (31%)
- Yellow (0%)
- Black (32%)



- Cyan (66%)
- Magenta (53%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4763, 0.2308, 0.2344 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 18.4763, 0.2308, 0.2344 by changing the saturation by 10% instead.

■ 18.4763, 0.2308,
0.2344

■ 18.4763, 0.2308,
0.2344

■ 243.5422, 0.2766,
0.2867

■ 11.2925, 0.2178,
0.2198

■ 40.8473, 0.2486,
0.2546

■ 6.2639, 0.2002,
0.2002

■ 56.8032, 0.2550,
0.2618

■ 3.0062, 0.1754,
0.1730

■ 76.4520, 0.2602,
0.2678

■ 1.1350, 0.1390,
0.1338

■ 100.1780, 0.2646,
0.2728

■ 0.0076, 0.0301,
0.0026

■ 128.3656, 0.2683,
0.2771

■ 0.0000, 0.0000,
0.0000

161.3993, 0.2714,

0.2807

199.6633, 0.2742,
0.2839

■ 18.4763, 0.2308,
0.2344

■ 18.4763, 0.2308,
0.2344

■ 15.3168, 0.2144,
0.2111

■ 22.1226, 0.2479,
0.2567

■ 12.6184, 0.1993,
0.1875

■ 26.2758, 0.2651,
0.2776

■ 10.3553, 0.1862,
0.1643

■ 30.9569, 0.2819,
0.2967

■ 8.4979, 0.1756,
0.1426

■ 36.1852, 0.2980,
0.3140

■ 6.9948, 0.1675,
0.1229

■ 41.9789, 0.3131,
0.3294

■ 6.9549, 0.1673,
0.1223

■ 48.3553, 0.3273,
0.3431

■ 55.3308, 0.3404,
0.3551

■ 62.9215, 0.3525,
0.3657

■ 71.1423, 0.3635,
0.3749

Harmonies

Analogous

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



18.4763, 0.2071, 0.2507



18.4763, 0.2308, 0.2344



18.4763, 0.2766, 0.2401

Triad

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



18.4763, 0.2308, 0.2344



18.4763, 0.4305, 0.3488



18.4763, 0.2810, 0.4093

Complementary

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



18.4763, 0.2308, 0.2344



28.3452, 0.4067, 0.4067

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.



18.4763, 0.3400, 0.4393



18.4763, 0.2308, 0.2344



18.4763, 0.4290, 0.3947

Square

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



18.4763, 0.2308, 0.2344



18.4763, 0.3957, 0.3029



18.4763, 0.3946, 0.4303



18.4763, 0.2333, 0.3503

Rectangle

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



18.4763, 0.2308, 0.2344



18.4763, 0.3162, 0.2545



18.4763, 0.3946, 0.4303



18.4763, 0.3001, 0.4236

Sweetspot

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



18.4770, 0.2308, 0.2344



59.4641, 0.2891, 0.3046



33.7768, 0.2707, 0.3889



12.5159, 0.2858, 0.3010



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



18.4770, 0.2308, 0.2344



26.7290, 0.2123, 0.2079



12.3033, 0.2276, 0.1780



8.2419, 0.2986, 0.3146



5.2113, 0.1679, 0.1243



0.2527, 0.1855, 0.1877

Inverse Universe

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



17.0621, 0.3948, 0.2802



25.1178, 0.4249, 0.2713



38.5229, 0.3757, 0.4513



8.0643, 0.3228, 0.3203



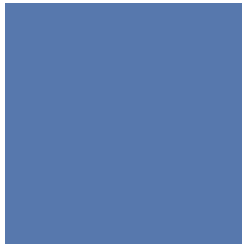
6.8291, 0.5406, 0.2752



0.2009, 0.4594, 0.2304

Previews

White Background



This preview shows how the Yxy color 18.4763, 0.2308, 0.2344 looks on a white background.

Color Contrast Check

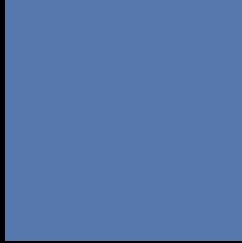
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4763, 0.2308, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

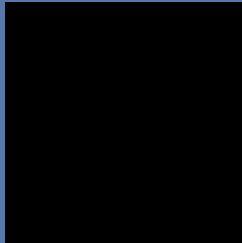
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

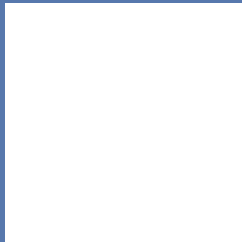
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.4763, 0.2308, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 18.4763, 0.2308, 0.2344.

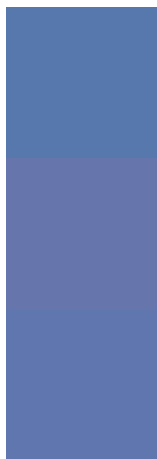


This preview shows how white text looks on a background with the Yxy color 18.4763, 0.2308, 0.2344.

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

18.4763, 0.2308, 0.2344

Protanopia

18.4876, 0.2437, 0.2347

Deuteranopia

18.4997, 0.2366, 0.2311



Tritanopia

18.5214, 0.2512, 0.3084

Trichromacy



Original Color

18.4763, 0.2308, 0.2344

Protanomaly

18.4768, 0.2389, 0.2341

Deuteranomaly

18.5768, 0.2345, 0.2323

Tritanomaly

18.3228, 0.2431, 0.2781

Monochromacy



Original Color

18.4763, 0.2308, 0.2344

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.5320, 0.2765, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4763, 0.2308, 0.2344 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, 120, 173)` looks like.

```
.text, #text, p{  
    color:rgb(87, 120, 173)  
}
```

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, 120, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 120, 173) }
```

Border

The CSS property to change the border of an element to Yxy 18.4763, 0.2308, 0.2344 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, 120, 173) }
```

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

```
.border{ border-color:rgb(87, 120, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 120, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 120, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 120, 173);  
box-shadow:4px 4px 4px 4px rgb(87, 120,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4763, 0.2308, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 120, 173) }
```

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

```
.background{ background-color: rgb(87, 120,  
173) }
```

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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