

Converting Colors

$Y_{xy}(30.3808, 0.2592, 0.2406)$

Have a look what the booklet for
Yxy(30.3808, 0.2592, 0.2406)
contains.

Yxy(30.3808, 0.2592, 0.2406)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.3808, 0.2592, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	9090CF
RGB	144, 144, 207
RGB Percent	56%, 56%, 81%
CMY	0.4355, 0.4352, 0.1883
CMYK	0.30, 0.30, 0.00, 0.19
HSL	240°, 40%, 69%
HSV	240°, 30%, 81%
XYZ	32.7294, 30.3808, 63.1607
YIQ	151.1820, -20.2230, 19.5930

Conversions

Conversions Part 2

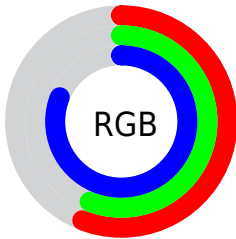
Format	Color
RYB	144, 144, 207
Decimal	9474255
CIELab	61.98, 14.33, -32.35
CIElCh	62, 35.381, 293.896
Yxy	30.3808, 0.2592, 0.2406
Android (android.graphics.Color)	4287664335 (0xFF9090CF)
YUV	151.1820, 27.5183, -6.2986
Hunter-Lab	55.1188, 9.5351, -29.3574

Details

The Yxy color **30.3808, 0.2592, 0.2406** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.8619, 0.3584, 0.4044**, and the grayscale version is **30.9137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7503, 0.2754, 0.2662**, and **12.4966, 0.2417, 0.2160** is the 20% darker color. If you saturate the color by 10%, you get **22.9853, 0.2382, 0.2059**, and if you desaturate by 10%, it is **39.2673, 0.2788, 0.2730**.

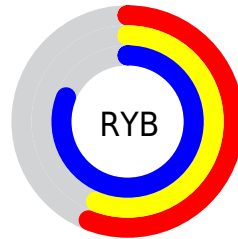
Distribution



Red (56%)

Green (56%)

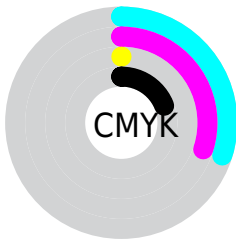
Blue (81%)



Red (56%)

Yellow (56%)

Blue (81%)

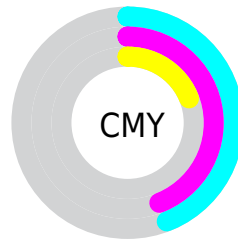


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (19%)



Cyan (44%)

Magenta (44%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3808, 0.2592, 0.2406 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 30.3808, 0.2592, 0.2406 by changing the saturation by 10% instead.

■ 30.3808, 0.2592,
0.2406

■ 30.3808, 0.2592,
0.2406

■ 303.6754, 0.2877,
0.2854

■ 20.1278, 0.2516,
0.2294

■ 60.2639, 0.2699,
0.2569

■ 12.4880, 0.2417,
0.2151

■ 80.6627, 0.2738,
0.2630

■ 7.0769, 0.2282,
0.1964

■ 105.2124, 0.2771,
0.2682

■ 3.5103, 0.2089,
0.1708

■ 134.2971, 0.2799,
0.2726

■ 1.4036, 0.1797,
0.1350

■ 168.3014, 0.2822,
0.2765

■ 0.2194, 0.1317,
0.0518

■ 207.6096, 0.2843,

■ 0.0000, 0.0000,

0.2798

0.0000

252.6062, 0.2861,
0.2828

■ 30.3808, 0.2592,
0.2406

■ 30.3808, 0.2592,
0.2406

■ 22.9853, 0.2382,
0.2059

■ 39.2673, 0.2788,
0.2730

■ 16.9960, 0.2167,
0.1703

■ 49.7166, 0.2965,
0.3021

■ 12.3248, 0.1960,
0.1361

■ 61.7999, 0.3121,
0.3279

■ 8.8725, 0.1778,
0.1060

■ 75.5830, 0.3256,
0.3503

■ 6.5255, 0.1636,
0.0825

■ 91.1282, 0.3373,
0.3697

■ 5.1494, 0.1545,
0.0675

■ 97.2843, 0.3412,
0.3761

■ 4.5090, 0.1500,
0.0601

Harmonies

Analogous

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



30.3808, 0.2238, 0.2436



30.3808, 0.2592, 0.2406



30.3808, 0.3120, 0.2569

Triad

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



30.3808, 0.2592, 0.2406



30.3808, 0.4264, 0.3745



30.3808, 0.2543, 0.3728

Complementary

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



30.3808, 0.2592, 0.2406



59.8619, 0.3584, 0.4044

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.



30.3808, 0.3053, 0.4193



30.3808, 0.2592, 0.2406



30.3808, 0.4059, 0.4131

Square

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



30.3808, 0.2592, 0.2406



30.3808, 0.4134, 0.3302



30.3808, 0.3609, 0.4327



30.3808, 0.2208, 0.3148

Rectangle

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



30.3808, 0.2592, 0.2406



30.3808, 0.3511, 0.2767



30.3808, 0.3609, 0.4327



30.3808, 0.2699, 0.3910

Sweetspot

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



30.3820, 0.2592, 0.2406



82.1392, 0.2987, 0.3058



54.9968, 0.2698, 0.3303



17.0075, 0.2962, 0.3018



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



30.3820, 0.2592, 0.2406



40.1631, 0.2446, 0.2165



33.4836, 0.2857, 0.2467



11.4197, 0.2982, 0.3050



2.8422, 0.1500, 0.0601



0.1596, 0.1501, 0.0603

Inverse Universe

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



35.2100, 0.3807, 0.3291



49.1920, 0.4037, 0.3292



55.9217, 0.3334, 0.4110



11.8085, 0.3290, 0.3290



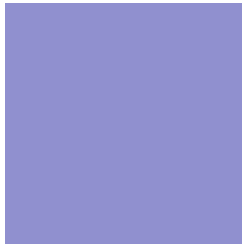
8.3582, 0.6399, 0.3299



0.4674, 0.6395, 0.3297

Previews

White Background



This preview shows how the Yxy color 30.3808, 0.2592, 0.2406 looks on a white background.

Color Contrast Check

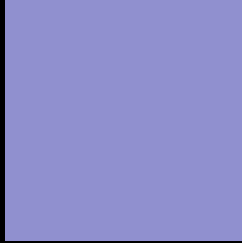
Large Text (above 18pt) WCAG AA × Fail

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 30.3808, 0.2592, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

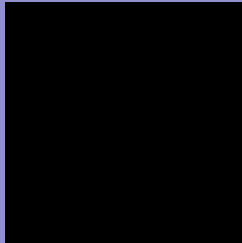
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3808, 0.2592, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 30.3808, 0.2592, 0.2406.



This preview shows how white text looks on a background with the Yxy color 30.3808, 0.2592, 0.2406.

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

30.3808, 0.2592, 0.2406

Protanopia

30.6582, 0.2478, 0.2405

Deuteranopia

30.5416, 0.2511, 0.2455



Tritanopia

30.2877, 0.2858, 0.3100

Trichromacy



Original Color

30.3808, 0.2592, 0.2406

Protanomaly

30.7051, 0.2520, 0.2411

Deuteranomaly

30.5579, 0.2540, 0.2447

Tritanomaly

30.1935, 0.2751, 0.2819

Monochromacy



Original Color

30.3808, 0.2592, 0.2406

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.4160, 0.2917, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3808, 0.2592, 0.2406 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(144, 144, 207)` looks like.

```
.text, #text, p{  
    color:rgb(144, 144, 207)  
}
```

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(144, 144, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 144, 207) }
```

Border

The CSS property to change the border of an element to Yxy 30.3808, 0.2592, 0.2406 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(144, 144, 207) }
```

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

```
.border{ border-color:rgb(144, 144, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 144, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 144, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 144, 207);  
box-shadow:4px 4px 4px 4px rgb(144, 144,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3808, 0.2592, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 144, 207) }
```

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

```
.background{ background-color: rgb(144,  
144, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor