

Converting Colors

$Y_{xy}(46.6122, 0.2770, 0.3084)$

Have a look what the booklet for
Yxy(46.6122, 0.2770, 0.3084)
contains.

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Color

Yxy(46.7735, 0.2770, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	9BBBCA
RGB	155, 187, 202
RGB Percent	61%, 73%, 79%
CMY	0.3923, 0.2666, 0.2078
CMYK	0.23, 0.07, 0.00, 0.21
HSL	199°, 31%, 70%
HSV	199°, 23%, 79%
XYZ	41.9432, 46.7735, 62.7028
YIQ	179.1420, -23.8870, -2.1190

Conversions

Conversions Part 2

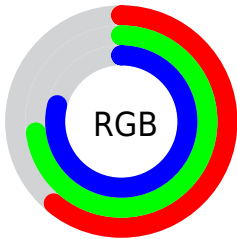
Format	Color
RYB	155, 174, 202
Decimal	10206154
CIELab	74.04, -7.46, -11.15
CIElCh	74, 13.410, 236.213
Yxy	46.7735, 0.2770, 0.3089
Android (android.graphics.Color)	4288396234 (0xFF9BBBCA)
YUV	179.1420, 11.2690, -21.1725
Hunter-Lab	68.3912, -10.2133, -6.4848

Details

The Yxy color **46.7735, 0.2770, 0.3089** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6571, 0.3561, 0.3482**, and the grayscale version is **45.1045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0228, 0.2854, 0.3164**, and **22.0719, 0.2674, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **42.2700, 0.2620, 0.2989**, and if you desaturate by 10%, it is **51.7377, 0.2923, 0.3181**.

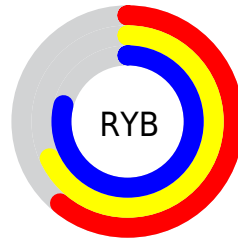
Distribution



Red (61%)

Green (73%)

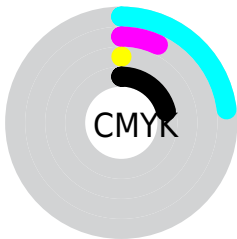
Blue (79%)



Red (61%)

Yellow (68%)

Blue (79%)

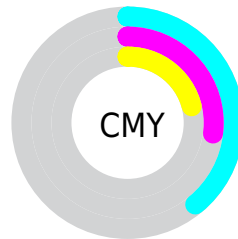


Cyan (23%)

Magenta (7%)

Yellow (0%)

Black (21%)



Cyan (39%)

Magenta (27%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7735, 0.2770, 0.3089 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 46.7735, 0.2770, 0.3089 by changing the saturation by 10% instead.

■ 46.7735, 0.2770,
0.3089

■ 46.7735, 0.2770,
0.3089

373.9097, 0.2946,
0.3191

■ 32.8566, 0.2727,
0.3063

■ 85.3754, 0.2834,
0.3126

■ 22.0166, 0.2671,
0.3030

■ 110.8293, 0.2858,
0.3140

■ 13.8691, 0.2599,
0.2985

140.8976, 0.2878,
0.3152

■ 8.0297, 0.2499,
0.2922

175.9647, 0.2896,
0.3162

■ 4.1140, 0.2353,
0.2826

216.4151, 0.2911,
0.3171

■ 1.7375, 0.2122,
0.2667

262.6332, 0.2924,

■ 0.4478, 0.1223,

0.3178

0.2249

315.0032, 0.2936,
0.3185

0.0000, 0.0000,
0.0000

46.7735, 0.2770,
0.3089

46.7735, 0.2770,
0.3089

42.2700, 0.2620,
0.2989

51.7377, 0.2923,
0.3181

38.2033, 0.2477,
0.2882

57.1738, 0.3077,
0.3264

34.5556, 0.2344,
0.2768

63.0999, 0.3228,
0.3339

31.3054, 0.2225,
0.2650

69.5311, 0.3376,
0.3406

28.4287, 0.2124,
0.2529

76.2988, 0.3511,
0.3466

■ 25.8982, 0.2041,
0.2407

■ 79.7286, 0.3498,
0.3530

■ 23.6813, 0.1980,
0.2287

■ 83.2898, 0.3485,
0.3593

■ 22.3320, 0.1946,
0.2207

■ 86.9840, 0.3473,
0.3656

■ 90.8124, 0.3461,
0.3717

Harmonies

Analogous

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



46.7735, 0.2805, 0.3244



46.7735, 0.2770, 0.3089



46.7735, 0.2827, 0.2995

Triad

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



46.7735, 0.2770, 0.3089



46.7735, 0.3330, 0.3165



46.7735, 0.3286, 0.3620

Complementary

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



46.7735, 0.2770, 0.3089



43.6571, 0.3561, 0.3482

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.



46.7735, 0.3433, 0.3587



46.7735, 0.2770, 0.3089



46.7735, 0.3460, 0.3322

Square

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



46.7735, 0.2770, 0.3089



46.7735, 0.3147, 0.3041



46.7735, 0.3498, 0.3476



46.7735, 0.3099, 0.3558

Rectangle

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



46.7735, 0.2770, 0.3089



46.7735, 0.2910, 0.2975



46.7735, 0.3498, 0.3476



46.7735, 0.3341, 0.3619

Sweetspot

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



46.7754, 0.2770, 0.3089



93.1934, 0.3019, 0.3234



52.1089, 0.2995, 0.3728



19.8258, 0.3009, 0.3229



0.0000, 0.0000, 0.0000



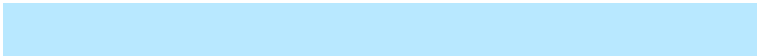
21.4041, 0.3127, 0.3290

Same Dimension

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



46.7754, 0.2770, 0.3089



75.2090, 0.2693, 0.3039



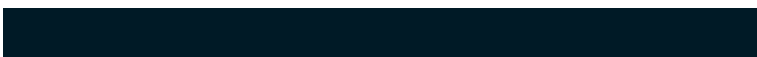
37.6312, 0.2744, 0.2763



12.1004, 0.2983, 0.3214



14.5347, 0.1951, 0.2223



0.8829, 0.2016, 0.2456

Inverse Universe

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



39.5750, 0.3290, 0.2891



61.2148, 0.3335, 0.2800



53.2349, 0.3498, 0.3767



11.3405, 0.3186, 0.3133



9.2703, 0.4208, 0.2092



0.4917, 0.3966, 0.1959

Previews

White Background



This preview shows how the Yxy color 46.7735, 0.2770, 0.3089 looks on a white background.

Color Contrast Check

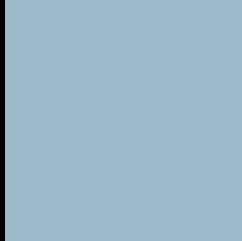
Large Text (above 18pt) WCAG AA × Fail

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 46.7735, 0.2770, 0.3089 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

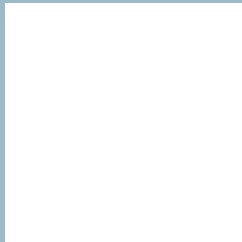
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7735, 0.2770, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 46.7735, 0.2770, 0.3089.



This preview shows how white text looks on a background with the Yxy color 46.7735, 0.2770, 0.3089.

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

46.7735, 0.2770, 0.3089

Protanopia

46.4230, 0.2987, 0.3059

Deuteranopia

46.6227, 0.3016, 0.2954



Tritanopia

46.7735, 0.2770, 0.3089

Trichromacy



Original Color

46.7735, 0.2770, 0.3089

Protanomaly

46.6484, 0.2909, 0.3081

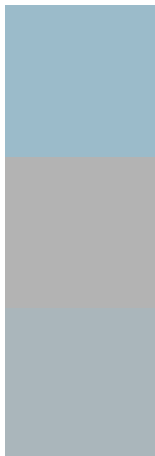
Deuteranomaly

46.7067, 0.2926, 0.3008

Tritanomaly

46.7735, 0.2770, 0.3089

Monochromacy



Original Color

46.7735, 0.2770, 0.3089

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.5898, 0.2989, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7735, 0.2770, 0.3089 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(155, 187, 202)` looks like.

```
.text, #text, p{  
    color:rgb(155, 187, 202)  
}
```

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(155, 187, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 187, 202) }
```

Border

The CSS property to change the border of an element to Yxy 46.7735, 0.2770, 0.3089 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(155, 187, 202) }
```

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

```
.border{ border-color:rgb(155, 187, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 187, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 187, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 187, 202);  
box-shadow:4px 4px 4px 4px rgb(155, 187,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7735, 0.2770, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 187, 202) }
```

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

```
.background{ background-color: rgb(155,  
187, 202) }
```

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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