

Converting Colors

$Y_{xy}(47.8582, 0.2709, 0.3080)$

Have a look what the booklet for
Yxy(47.8582, 0.2709, 0.3080)
contains.

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Color

Yxy(47.6727, 0.2706, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	95BECE
RGB	149, 190, 206
RGB Percent	58%, 75%, 81%
CMY	0.4159, 0.2548, 0.1922
CMYK	0.28, 0.08, 0.00, 0.19
HSL	197°, 37%, 70%
HSV	197°, 28%, 81%
XYZ	41.9383, 47.6727, 65.3717
YIQ	179.5650, -29.5720, -3.7160

Conversions

Conversions Part 2

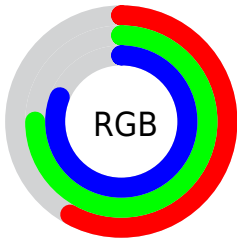
Format	Color
R _Y B	149, 173, 206
Decimal	9813710
CIE Lab	74.62, -9.94, -12.48
CIE LCh	75, 15.960, 231.465
Yxy	47.6727, 0.2706, 0.3076
Android (android.graphics.Color)	4288003790 (0xFF95BECE)
YUV	179.5650, 13.0325, -26.8055
Hunter-Lab	69.0454, -12.4082, -7.8036

Details

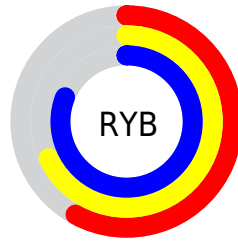
The Yxy color **47.6727, 0.2706, 0.3076** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1632, 0.3671, 0.3494**, and the grayscale version is **45.3322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9689, 0.2821, 0.3195**, and **22.6451, 0.2587, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **43.4581, 0.2562, 0.2986**, and if you desaturate by 10%, it is **52.3325, 0.2856, 0.3160**.

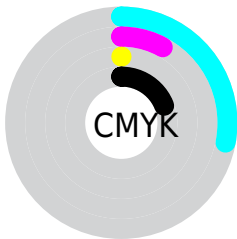
Distribution



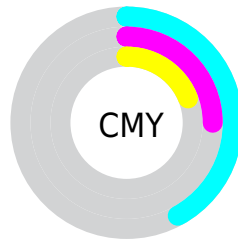
- Red (58%)
- Green (75%)
- Blue (81%)



- Red (58%)
- Yellow (68%)
- Blue (81%)



- Cyan (28%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (42%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6727, 0.2706, 0.3076 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 47.6727, 0.2706, 0.3076 by changing the saturation by 10% instead.

■ 47.6727, 0.2706,
0.3076

■ 47.6727, 0.2706,
0.3076

■ 377.4933, 0.2913,
0.3185

■ 33.5678, 0.2656,
0.3048

■ 86.7169, 0.2780,
0.3116

■ 22.5617, 0.2592,
0.3012

■ 112.4249, 0.2808,
0.3131

■ 14.2702, 0.2508,
0.2964

■ 142.7695, 0.2832,
0.3144

■ 8.3089, 0.2393,
0.2896

■ 178.1349, 0.2853,
0.3154

■ 4.2932, 0.2229,
0.2794

■ 218.9056, 0.2871,
0.3164

■ 1.8389, 0.1972,
0.2625

■ 265.4660, 0.2887,

■ 0.5112, 0.1075,

0.3172

0.2259

318.2004, 0.2900,
0.3179

0.0000, 0.0000,
0.0000

47.6727, 0.2706,
0.3076

47.6727, 0.2706,
0.3076

43.4581, 0.2562,
0.2986

52.3325, 0.2856,
0.3160

39.6637, 0.2427,
0.2890

57.4496, 0.3009,
0.3236

36.2707, 0.2305,
0.2789

63.0426, 0.3162,
0.3305

33.2559, 0.2199,
0.2685

69.1273, 0.3313,
0.3367

30.5935, 0.2111,
0.2580

75.7187, 0.3460,
0.3423

■ 28.2533, 0.2044,
0.2474

■ 79.3531, 0.3472,
0.3479

■ 26.1927, 0.1995,
0.2370

■ 82.5156, 0.3462,
0.3536

■ 25.7410, 0.1985,
0.2346

■ 85.7842, 0.3451,
0.3592

■ 89.1600, 0.3441,
0.3648

Harmonies

Analogous

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



47.6727, 0.2764, 0.3266



47.6727, 0.2706, 0.3076



47.6727, 0.2756, 0.2953

Triad

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



47.6727, 0.2706, 0.3076



47.6727, 0.3335, 0.3116



47.6727, 0.3346, 0.3683

Complementary

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



47.6727, 0.2706, 0.3076



42.1632, 0.3671, 0.3494

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.



47.6727, 0.3508, 0.3625



47.6727, 0.2706, 0.3076



47.6727, 0.3504, 0.3296

Square

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



47.6727, 0.2706, 0.3076



47.6727, 0.3114, 0.2981



47.6727, 0.3567, 0.3481



47.6727, 0.3128, 0.3628

Rectangle

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



47.6727, 0.2706, 0.3076



47.6727, 0.2844, 0.2921



47.6727, 0.3567, 0.3481



47.6727, 0.3409, 0.3675

Sweetspot

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



47.6746, 0.2706, 0.3076



92.7455, 0.3003, 0.3233



53.2039, 0.2990, 0.3865



19.5715, 0.2980, 0.3222



0.0000, 0.0000, 0.0000



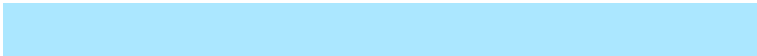
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6746, 0.2706, 0.3076



73.2653, 0.2623, 0.3025



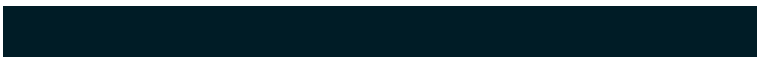
36.7686, 0.2667, 0.2688



12.1756, 0.2983, 0.3224



16.0245, 0.1989, 0.2361



0.9507, 0.2046, 0.2564

Inverse Universe

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



38.3142, 0.3307, 0.2786



56.1242, 0.3355, 0.2680



53.2827, 0.3582, 0.3827



11.3481, 0.3180, 0.3125



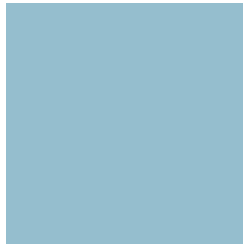
9.4207, 0.4063, 0.2012



0.4985, 0.3859, 0.1900

Previews

White Background



This preview shows how the Yxy color 47.6727, 0.2706, 0.3076 looks on a white background.

Color Contrast Check

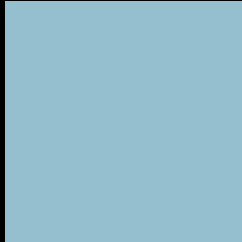
Large Text (above 18pt) WCAG AA × Fail

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 47.6727, 0.2706, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

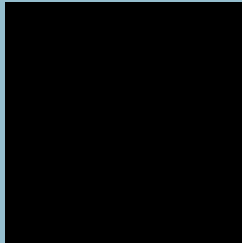
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

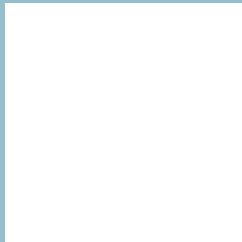
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6727, 0.2706, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 47.6727, 0.2706, 0.3076.



This preview shows how white text looks on a background with the Yxy color 47.6727, 0.2706, 0.3076.

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

47.6727, 0.2706, 0.3076

Protanopia

47.4967, 0.2973, 0.3048

Deuteranopia

47.2137, 0.2986, 0.2919



Tritanopia

47.6243, 0.2713, 0.3089

Trichromacy



Original Color

47.6727, 0.2706, 0.3076

Protanomaly

47.4447, 0.2866, 0.3056

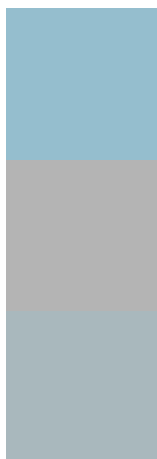
Deuteranomaly

46.9596, 0.2874, 0.2970

Tritanomaly

47.6243, 0.2713, 0.3089

Monochromacy



Original Color

47.6727, 0.2706, 0.3076

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.3901, 0.2966, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6727, 0.2706, 0.3076 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(149, 190, 206)` looks like.

```
.text, #text, p{  
    color:rgb(149, 190, 206)  
}
```

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(149, 190, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 190, 206) }
```

Border

The CSS property to change the border of an element to Yxy 47.6727, 0.2706, 0.3076 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(149, 190, 206) }
```

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

```
.border{ border-color:rgb(149, 190, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 190, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 190, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 190, 206);  
box-shadow:4px 4px 4px 4px rgb(149, 190,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6727, 0.2706, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 190, 206) }
```

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

```
.background{ background-color: rgb(149,  
190, 206) }
```

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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