

Converting Colors

$Y_{xy}(45.8989, 0.2757, 0.3051)$

Have a look what the booklet for
Yxy(45.8989, 0.2757, 0.3051)
contains.

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Color

Yxy(45.8797, 0.2754, 0.3048)

Conversions

Conversions Part 1

Format	Color
Hex	9AB9CB
RGB	154, 185, 203
RGB Percent	60%, 73%, 80%
CMY	0.3962, 0.2745, 0.2038
CMYK	0.24, 0.09, 0.00, 0.20
HSL	202°, 32%, 70%
HSV	202°, 24%, 80%
XYZ	41.4543, 45.8797, 63.1900
YIQ	177.7830, -24.2540, -0.9740

Conversions

Conversions Part 2

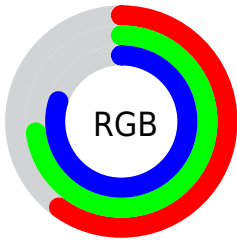
Format	Color
RYB	154, 173, 203
Decimal	10140107
CIELab	73.47, -6.45, -12.57
CIELCh	73, 14.130, 242.822
Yxy	45.8797, 0.2754, 0.3048
Android (android.graphics.Color)	4288330187 (0xFF9AB9CB)
YUV	177.7830, 12.4320, -20.8577
Hunter-Lab	67.7346, -9.2915, -7.8978

Details

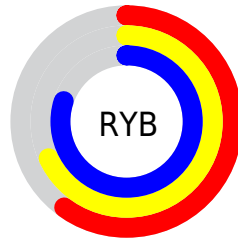
The Yxy color **45.8797, 0.2754, 0.3048** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.5398, 0.3574, 0.3520**, and the grayscale version is **44.3424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6859, 0.2847, 0.3143**, and **21.4972, 0.2652, 0.2976** is the 20% darker color. If you saturate the color by 10%, you get **41.0150, 0.2601, 0.2931**, and if you desaturate by 10%, it is **51.2489, 0.2909, 0.3155**.

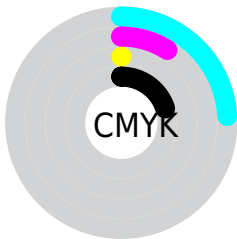
Distribution



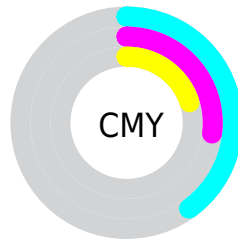
- Red (60%)
- Green (73%)
- Blue (80%)



- Red (60%)
- Yellow (68%)
- Blue (80%)



- Cyan (24%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8797, 0.2754, 0.3048 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 45.8797, 0.2754, 0.3048 by changing the saturation by 10% instead.

■ 45.8797, 0.2754,
0.3048

■ 45.8797, 0.2754,
0.3048

370.3248, 0.2939,
0.3171

■ 32.1509, 0.2708,
0.3017

■ 84.0389, 0.2821,
0.3093

■ 21.4768, 0.2650,
0.2977

■ 109.2381, 0.2846,
0.3110

■ 13.4730, 0.2574,
0.2923

139.0296, 0.2867,
0.3124

■ 7.7550, 0.2468,
0.2848

173.7978, 0.2886,
0.3136

■ 3.9386, 0.2314,
0.2735

213.9270, 0.2902,
0.3146

■ 1.6393, 0.2070,
0.2547

259.8016, 0.2916,

■ 0.3839, 0.1075,

0.3156

0.1991

311.8061, 0.2928,
0.3164

■ 0.0000, 0.0000,
0.0000

■ 45.8797, 0.2754,
0.3048

■ 45.8797, 0.2754,
0.3048

■ 41.0150, 0.2601,
0.2931

■ 51.2489, 0.2909,
0.3155

■ 36.6297, 0.2453,
0.2806

■ 57.1351, 0.3064,
0.3252

■ 32.7049, 0.2315,
0.2672

■ 63.5575, 0.3215,
0.3340

■ 29.2174, 0.2191,
0.2534

■ 70.5321, 0.3361,
0.3418

■ 26.1420, 0.2083,
0.2392

■ 77.9808, 0.3498,
0.3487

■ 23.4496, 0.1996,
0.2251

■ 82.0396, 0.3483,
0.3560

■ 21.1053, 0.1930,
0.2111

■ 86.2761, 0.3469,
0.3633

■ 19.8624, 0.1898,
0.2031

■ 90.6924, 0.3455,
0.3704

■ 95.2907, 0.3441,
0.3774

Harmonies

Analogous

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



45.8797, 0.2770, 0.3200



45.8797, 0.2754, 0.3048



45.8797, 0.2834, 0.2966

Triad

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



45.8797, 0.2754, 0.3048



45.8797, 0.3379, 0.3192



45.8797, 0.3253, 0.3635

Complementary

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



45.8797, 0.2754, 0.3048



44.5398, 0.3574, 0.3520

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.



45.8797, 0.3423, 0.3621



45.8797, 0.2754, 0.3048



45.8797, 0.3499, 0.3361

Square

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



45.8797, 0.2754, 0.3048



45.8797, 0.3193, 0.3051



45.8797, 0.3514, 0.3518



45.8797, 0.3053, 0.3548

Rectangle

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



45.8797, 0.2754, 0.3048



45.8797, 0.2934, 0.2958



45.8797, 0.3514, 0.3518



45.8797, 0.3316, 0.3641

Sweetspot

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



45.8816, 0.2754, 0.3048



92.6564, 0.3019, 0.3225



52.5720, 0.2974, 0.3712



19.7013, 0.3009, 0.3219



0.0000, 0.0000, 0.0000



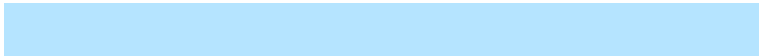
21.4041, 0.3127, 0.3290

Same Dimension

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



45.8816, 0.2754, 0.3048



72.4406, 0.2674, 0.2988



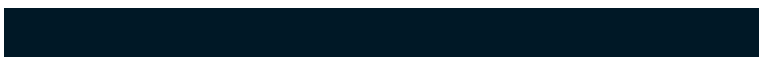
36.5028, 0.2726, 0.2706



12.0069, 0.2983, 0.3203



12.8149, 0.1903, 0.2050



0.8029, 0.1978, 0.2320

Inverse Universe

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



39.3079, 0.3320, 0.2904



59.9198, 0.3373, 0.2817



54.7353, 0.3506, 0.3814



11.3311, 0.3193, 0.3144



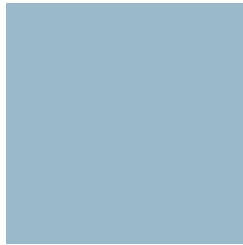
9.0967, 0.4397, 0.2196



0.4836, 0.4106, 0.2036

Previews

White Background



This preview shows how the Yxy color 45.8797, 0.2754, 0.3048 looks on a white background.

Color Contrast Check

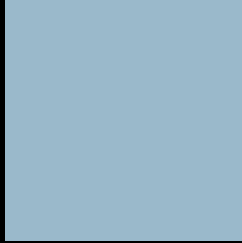
Large Text (above 18pt) WCAG AA × Fail

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 45.8797, 0.2754, 0.3048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

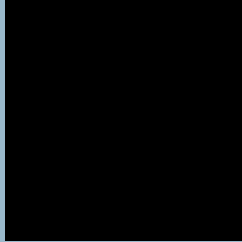
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

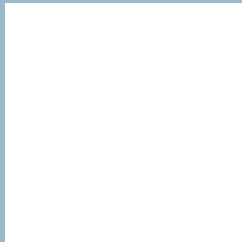
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8797, 0.2754, 0.3048

Background



This preview shows how black text looks on a background with the Yxy color 45.8797, 0.2754, 0.3048.



This preview shows how white text looks on a background with the Yxy color 45.8797, 0.2754, 0.3048.

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

45.8797, 0.2754, 0.3048

Protanopia

45.8287, 0.2963, 0.3032

Deuteranopia

45.5068, 0.2983, 0.2914



Tritanopia

45.6404, 0.2767, 0.3087

Trichromacy



Original Color

45.8797, 0.2754, 0.3048

Protanomaly

45.6529, 0.2885, 0.3041

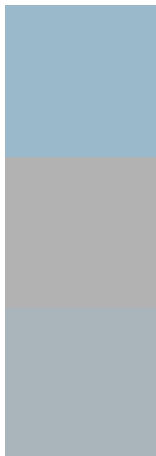
Deuteranomaly

45.5985, 0.2894, 0.2968

Tritanomaly

45.6873, 0.2760, 0.3074

Monochromacy



Original Color

45.8797, 0.2754, 0.3048

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0706, 0.2980, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8797, 0.2754, 0.3048 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(154, 185, 203)` looks like.

```
.text, #text, p{  
    color:rgb(154, 185, 203)  
}
```

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(154, 185, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 185, 203) }
```

Border

The CSS property to change the border of an element to Yxy 45.8797, 0.2754, 0.3048 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(154, 185, 203) }
```

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

```
.border{ border-color:rgb(154, 185, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 185, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 185, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 185, 203);  
box-shadow:4px 4px 4px 4px rgb(154, 185,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8797, 0.2754, 0.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 185, 203) }
```

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

```
.background{ background-color: rgb(154,  
185, 203) }
```

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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