

Converting Colors

$Yxy(45.8033, 0.2785, 0.3183)$

Have a look what the booklet for
Yxy(45.8033, 0.2785, 0.3183)
contains.

Yxy(45.9197, 0.2788, 0.3193)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9197, 0.2788, 0.3193)

Conversions

Conversions Part 1

Format	Color
Hex	96BBC2
RGB	150, 187, 194
RGB Percent	59%, 73%, 76%
CMY	0.4115, 0.2667, 0.2391
CMYK	0.23, 0.04, 0.00, 0.24
HSL	190°, 26%, 67%
HSV	190°, 23%, 76%
XYZ	40.0952, 45.9197, 57.7987
YIQ	176.7350, -24.2990, -5.6670

Conversions

Conversions Part 2

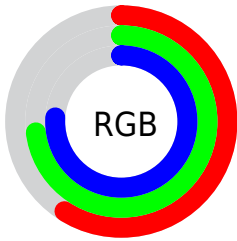
Format	Color
R_{YB}	150, 170, 194
Decimal	9878466
CIE _{Lab}	73.49, -10.76, -7.64
CIE _{LCh}	73, 13.193, 215.384
Yxy	45.9197, 0.2788, 0.3193
Android (android.graphics.Color)	4288068546 (0xFF96BBC2)
YUV	176.7350, 8.5116, -23.4466
Hunter-Lab	67.7641, -12.9707, -3.1360

Details

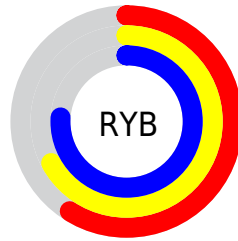
The Yxy color **45.9197, 0.2788, 0.3193** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.8205, 0.3565, 0.3385**, and the grayscale version is **43.7913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9824, 0.2852, 0.3215**, and **21.5403, 0.2697, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **42.9277, 0.2649, 0.3144**, and if you desaturate by 10%, it is **49.2487, 0.2935, 0.3238**.

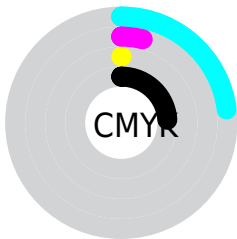
Distribution



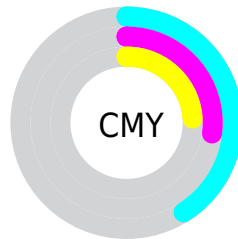
- Red (59%)
- Green (73%)
- Blue (76%)



- Red (59%)
- Yellow (67%)
- Blue (76%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)





- Cyan (41%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9197, 0.2788, 0.3193 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 45.9197, 0.2788, 0.3193 by changing the saturation by 10% instead.

 45.9197, 0.2788,
0.3193

 45.9197, 0.2788,
0.3193


370.4857, 0.2956,
0.3244

 32.1825, 0.2746,
0.3180


 84.0988, 0.2849,
0.3212

 21.5009, 0.2693,
0.3162


 109.3095, 0.2872,
0.3219

 13.4906, 0.2623,
0.3138


139.1134, 0.2891,
0.3225

 7.7673, 0.2526,
0.3104

173.8950, 0.2908,
0.3230

 3.9464, 0.2383,
0.3049

214.0386, 0.2922,
0.3234

 1.6436, 0.2153,
0.2953

259.9287, 0.2935,

 0.3867, 0.0726,

0.3238

0.2673

311.9496, 0.2946,
0.3241

0.0000, 0.0000,
0.0000

45.9197, 0.2788,
0.3193

45.9197, 0.2788,
0.3193

42.9277, 0.2649,
0.3144

49.2487, 0.2935,
0.3238

40.2519, 0.2521,
0.3093

52.9231, 0.3086,
0.3280

37.8777, 0.2406,
0.3039

56.9582, 0.3240,
0.3317

35.7871, 0.2308,
0.2983

61.3664, 0.3393,
0.3351

33.9600, 0.2228,
0.2926

66.1597, 0.3545,
0.3381

■ 32.3733, 0.2168,
0.2869

■ 69.1081, 0.3601,
0.3411

■ 30.9992, 0.2126,
0.2812

■ 70.6130, 0.3593,
0.3443

■ 30.0873, 0.2103,
0.2771

■ 72.1475, 0.3586,
0.3474

■ 73.7118, 0.3579,
0.3505

Harmonies

Analogous

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



45.9197, 0.2883, 0.3365



45.9197, 0.2788, 0.3193



45.9197, 0.2781, 0.3055

Triad

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



45.9197, 0.2788, 0.3193



45.9197, 0.3205, 0.3076



45.9197, 0.3392, 0.3603

Complementary

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



45.9197, 0.2788, 0.3193



37.8205, 0.3565, 0.3385

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.



45.9197, 0.3485, 0.3514



45.9197, 0.2788, 0.3193



45.9197, 0.3375, 0.3212

Square

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



45.9197, 0.2788, 0.3193



45.9197, 0.3017, 0.2993



45.9197, 0.3479, 0.3370



45.9197, 0.3229, 0.3608

Rectangle

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



45.9197, 0.2788, 0.3193



45.9197, 0.2827, 0.2999



45.9197, 0.3479, 0.3370



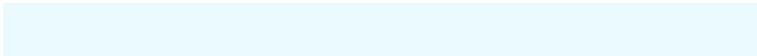
45.9197, 0.3433, 0.3582

Sweetspot

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



45.9216, 0.2788, 0.3193



92.8192, 0.3018, 0.3262



47.5039, 0.3051, 0.3820



20.2363, 0.3009, 0.3259



0.0000, 0.0000, 0.0000



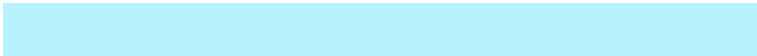
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9216, 0.2788, 0.3193



80.5196, 0.2720, 0.3170



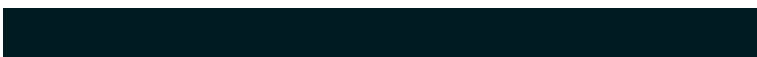
37.4574, 0.2765, 0.2888



11.1453, 0.2984, 0.3252



19.8777, 0.2105, 0.2779



0.9340, 0.2140, 0.2904

Inverse Universe

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



36.8916, 0.3218, 0.2818



61.5643, 0.3241, 0.2716



45.7690, 0.3505, 0.3662



10.2190, 0.3161, 0.3099



9.2889, 0.3654, 0.1787



0.4089, 0.3540, 0.1724

Previews

White Background



This preview shows how the Yxy color 45.9197, 0.2788, 0.3193 looks on a white background.

Color Contrast Check

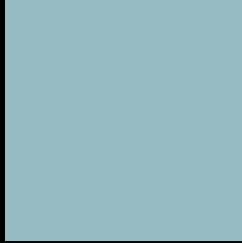
Large Text (above 18pt) WCAG AA × Fail

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 45.9197, 0.2788, 0.3193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

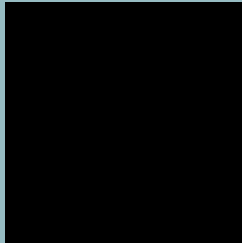
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

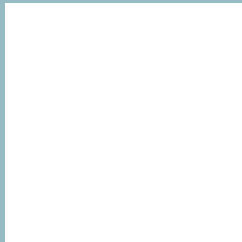
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9197, 0.2788, 0.3193

Background



This preview shows how black text looks on a background with the Yxy color 45.9197, 0.2788, 0.3193.



This preview shows how white text looks on a background with the Yxy color 45.9197, 0.2788, 0.3193.

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

45.9197, 0.2788, 0.3193

Protanopia

45.7381, 0.3065, 0.3160

Deuteranopia

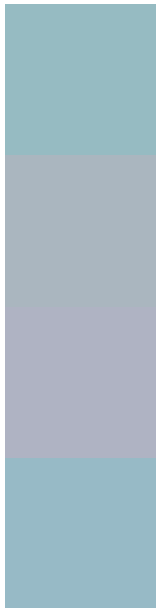
45.5926, 0.3088, 0.3026



Tritanopia

45.9142, 0.2747, 0.3087

Trichromacy



Original Color

45.9197, 0.2788, 0.3193

Protanomaly

45.7635, 0.2959, 0.3170

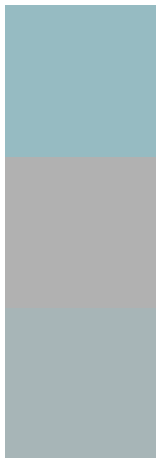
Deuteranomaly

45.2943, 0.2969, 0.3081

Tritanomaly

45.7743, 0.2767, 0.3126

Monochromacy



Original Color

45.9197, 0.2788, 0.3193

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6821, 0.2994, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9197, 0.2788, 0.3193 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(150, 187, 194)` looks like.

```
.text, #text, p{  
    color:rgb(150, 187, 194)  
}
```

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(150, 187, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 187, 194) }
```

Border

The CSS property to change the border of an element to Yxy 45.9197, 0.2788, 0.3193 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(150, 187, 194) }
```

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

```
.border{ border-color:rgb(150, 187, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 187, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 187, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 187, 194);  
box-shadow:4px 4px 4px 4px rgb(150, 187,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9197, 0.2788, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 187, 194) }
```

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

```
.background{ background-color: rgb(150,  
187, 194) }
```

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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