

Converting Colors

$Y_{xy}(45.0195, 0.2578, 0.3142)$

Have a look what the booklet for
Yxy(45.0195, 0.2578, 0.3142)
contains.

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Color

Yxy(45.2080, 0.2576, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	7BBEC8
RGB	123, 190, 200
RGB Percent	48%, 75%, 78%
CMY	0.5178, 0.2549, 0.2155
CMYK	0.39, 0.05, 0.00, 0.22
HSL	188°, 41%, 63%
HSV	188°, 39%, 78%
XYZ	37.0053, 45.2080, 61.4409
YIQ	171.1070, -43.1420, -11.0940

Conversions

Conversions Part 2

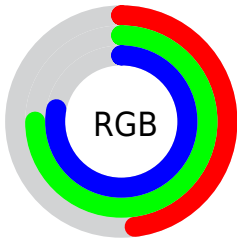
Format	Color
R _Y B	123, 159, 200
Decimal	8109768
CIE Lab	73.03, -18.64, -11.77
CIE LCh	73, 22.050, 212.271
Yxy	45.2080, 0.2576, 0.3147
Android (android.graphics.Color)	4286299848 (0xFF7BBEC8)
YUV	171.1070, 14.2442, -42.1898
Hunter-Lab	67.2369, -19.4231, -7.1133

Details

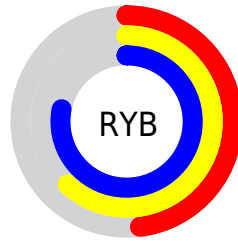
The Yxy color **45.2080, 0.2576, 0.3147** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.4840, 0.4021, 0.3425**, and the grayscale version is **40.7215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7152, 0.2685, 0.3191**, and **20.9489, 0.2427, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **42.7653, 0.2459, 0.3104**, and if you desaturate by 10%, it is **47.9757, 0.2707, 0.3188**.

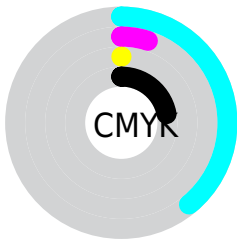
Distribution



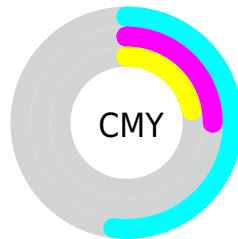
- Red (48%)
- Green (75%)
- Blue (78%)



- Red (48%)
- Yellow (62%)
- Blue (78%)



- Cyan (39%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)





- Cyan (52%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2080, 0.2576, 0.3147 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 45.2080, 0.2576, 0.3147 by changing the saturation by 10% instead.


 45.2080, 0.2576,
0.3147


 45.2080, 0.2576,
0.3147


367.6153, 0.2848,
0.3224

 31.6213, 0.2510,
0.3126


 83.0325, 0.2674,
0.3176

 21.0724, 0.2425,
0.3098


 108.0390, 0.2711,
0.3187

 13.1769, 0.2314,
0.3059


 137.6209, 0.2742,
0.3196

 7.5505, 0.2163,
0.3003

172.1626, 0.2769,
0.3203

 3.8087, 0.1946,
0.2912

212.0485, 0.2793,
0.3210

 1.5671, 0.1610,
0.2749

257.6630, 0.2813,

 0.3353, 0.0000,

0.3215

0.2175

309.3905, 0.2832,
0.3220

0.0000, 0.0000,
0.0000

45.2080, 0.2576,
0.3147

45.2080, 0.2576,
0.3147

42.7653, 0.2459,
0.3104

47.9757, 0.2707,
0.3188

40.6238, 0.2357,
0.3059

51.0802, 0.2848,
0.3226

38.7646, 0.2274,
0.3014

54.5389, 0.2997,
0.3262

37.1643, 0.2209,
0.2968

58.3667, 0.3150,
0.3295

35.7954, 0.2164,
0.2923

62.5774, 0.3305,
0.3324

■ 34.6146, 0.2135,
0.2878

■ 67.1840, 0.3459,
0.3350

■ 34.4480, 0.2131,
0.2871

■ 70.6540, 0.3549,
0.3375

■ 71.9354, 0.3543,
0.3402

■ 73.2377, 0.3538,
0.3428

Harmonies

Analogous

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



45.2080, 0.2741, 0.3444



45.2080, 0.2576, 0.3147



45.2080, 0.2551, 0.2911

Triad

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



45.2080, 0.2576, 0.3147



45.2080, 0.3220, 0.2920



45.2080, 0.3592, 0.3805

Complementary

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



45.2080, 0.2576, 0.3147



30.4840, 0.4021, 0.3425

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.



45.2080, 0.3737, 0.3633



45.2080, 0.2576, 0.3147



45.2080, 0.3518, 0.3131

Square

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



45.2080, 0.2576, 0.3147



45.2080, 0.2910, 0.2796



45.2080, 0.3711, 0.3387



45.2080, 0.3324, 0.3840

Rectangle

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



45.2080, 0.2576, 0.3147



45.2080, 0.2615, 0.2816



45.2080, 0.3711, 0.3387



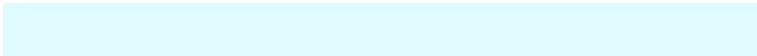
45.2080, 0.3657, 0.3760

Sweetspot

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



45.2098, 0.2576, 0.3147



92.1373, 0.2942, 0.3249



47.1977, 0.3016, 0.4316



19.5502, 0.2922, 0.3245



0.0000, 0.0000, 0.0000



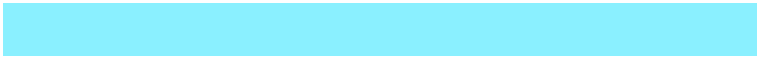
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2098, 0.2576, 0.3147



74.7640, 0.2480, 0.3112



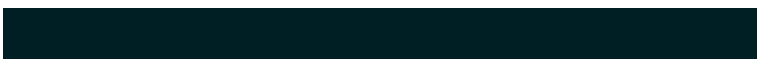
30.9996, 0.2492, 0.2584



11.8230, 0.2984, 0.3259



21.9875, 0.2133, 0.2877



1.1084, 0.2159, 0.2971

Inverse Universe

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



30.1572, 0.3274, 0.2456



45.6267, 0.3313, 0.2291



42.6464, 0.3832, 0.3903



10.7920, 0.3157, 0.3091



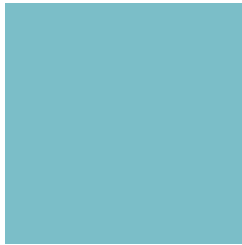
9.7596, 0.3564, 0.1737



0.4689, 0.3480, 0.1690

Previews

White Background



This preview shows how the Yxy color 45.2080, 0.2576, 0.3147 looks on a white background.

Color Contrast Check

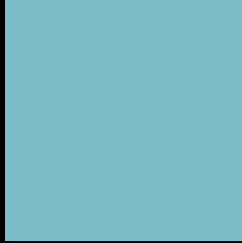
Large Text (above 18pt) WCAG AA × Fail

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 45.2080, 0.2576, 0.3147 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 45.2080, 0.2576, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 45.2080, 0.2576, 0.3147.



This preview shows how white text looks on a background with the Yxy color 45.2080, 0.2576, 0.3147.

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

45.2080, 0.2576, 0.3147

Protanopia

44.7150, 0.3017, 0.3094

Deuteranopia

44.7742, 0.2982, 0.2923



Tritanopia

45.0881, 0.2551, 0.3065

Trichromacy



Original Color

45.2080, 0.2576, 0.3147

Protanomaly

44.6651, 0.2836, 0.3114

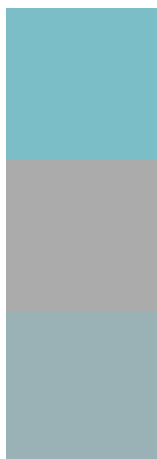
Deuteranomaly

44.5882, 0.2816, 0.2998

Tritanomaly

44.9921, 0.2563, 0.3092

Monochromacy



Original Color

45.2080, 0.2576, 0.3147

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.0882, 0.2895, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2080, 0.2576, 0.3147 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(123, 190, 200)` looks like.

```
.text, #text, p{  
    color:rgb(123, 190, 200)  
}
```

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(123, 190, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 190, 200) }
```

Border

The CSS property to change the border of an element to Yxy 45.2080, 0.2576, 0.3147 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(123, 190, 200) }
```

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

```
.border{ border-color:rgb(123, 190, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 190, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 190, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 190, 200);  
box-shadow:4px 4px 4px 4px rgb(123, 190,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2080, 0.2576, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 190, 200) }
```

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

```
.background{ background-color: rgb(123,  
190, 200) }
```

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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