

Converting Colors

$Y_{xy}(45.1640, 0.2731, 0.3085)$

Have a look what the booklet for
Yxy(45.1640, 0.2731, 0.3085)
contains.

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Color

Yxy(45.1640, 0.2731, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	94B9C8
RGB	148, 185, 200
RGB Percent	58%, 73%, 78%
CMY	0.4198, 0.2745, 0.2157
CMYK	0.26, 0.07, 0.00, 0.22
HSL	197°, 32%, 68%
HSV	197°, 26%, 78%
XYZ	39.9815, 45.1640, 61.2532
YIQ	175.6470, -26.8670, -3.1790

Conversions

Conversions Part 2

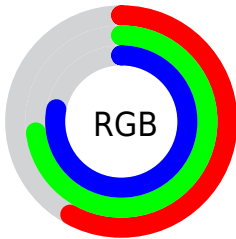
Format	Color
RYB	148, 170, 200
Decimal	9746888
CIELab	73.00, -8.98, -11.65
CIELCh	73, 14.715, 232.375
Yxy	45.1640, 0.2731, 0.3085
Android (android.graphics.Color)	4287936968 (0xFF94B9C8)
YUV	175.6470, 12.0060, -24.2464
Hunter-Lab	67.2042, -11.4131, -6.9969

Details

The Yxy color **45.1640, 0.2731, 0.3085** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.5926, 0.3628, 0.3486**, and the grayscale version is **43.1669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8271, 0.2812, 0.3142**, and **21.0646, 0.2623, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **41.0980, 0.2585, 0.2993**, and if you desaturate by 10%, it is **49.6535, 0.2882, 0.3170**.

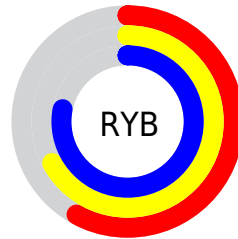
Distribution



Red (58%)

Green (73%)

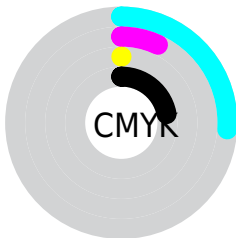
Blue (78%)



Red (58%)

Yellow (67%)

Blue (78%)

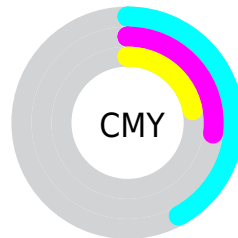


Cyan (26%)

Magenta (7%)

Yellow (0%)

Black (22%)



Cyan (42%)

Magenta (27%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1640, 0.2731, 0.3085 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 45.1640, 0.2731, 0.3085 by changing the saturation by 10% instead.

45.1640, 0.2731,
0.3085

45.1640, 0.2731,
0.3085

367.4374, 0.2928,
0.3190

31.5866, 0.2683,
0.3058

82.9665, 0.2802,
0.3124

21.0460, 0.2621,
0.3023

107.9603, 0.2829,
0.3138

13.1576, 0.2539,
0.2975

137.5285, 0.2852,
0.3150

7.5372, 0.2426,
0.2908

172.0553, 0.2871,
0.3161

3.8002, 0.2261,
0.2805

211.9252, 0.2888,
0.3170

1.5625, 0.1999,
0.2631

257.5226, 0.2903,

0.3321, 0.0594,

0.3177

0.2049

309.2319, 0.2916,
0.3184

0.0000, 0.0000,
0.0000

45.1640, 0.2731,
0.3085

45.1640, 0.2731,
0.3085

41.0980, 0.2585,
0.2993

49.6535, 0.2882,
0.3170

37.4324, 0.2448,
0.2896

54.5774, 0.3035,
0.3247

34.1497, 0.2322,
0.2793

59.9533, 0.3188,
0.3317

31.2288, 0.2212,
0.2686

65.7956, 0.3337,
0.3379

28.6460, 0.2120,
0.2577

72.1183, 0.3483,
0.3435

■ 26.3739, 0.2048,
0.2469

■ 76.3929, 0.3525,
0.3490

■ 24.3785, 0.1996,
0.2361

■ 79.4610, 0.3513,
0.3548

■ 23.6353, 0.1977,
0.2319

■ 82.6343, 0.3501,
0.3604

■ 85.9137, 0.3489,
0.3660

Harmonies

Analogous

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



45.1640, 0.2782, 0.3262



45.1640, 0.2731, 0.3085



45.1640, 0.2781, 0.2971

Triad

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



45.1640, 0.2731, 0.3085



45.1640, 0.3328, 0.3131



45.1640, 0.3327, 0.3658

Complementary

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



45.1640, 0.2731, 0.3085



40.5926, 0.3628, 0.3486

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.



45.1640, 0.3481, 0.3608



45.1640, 0.2731, 0.3085



45.1640, 0.3484, 0.3301

Square

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



45.1640, 0.2731, 0.3085



45.1640, 0.3121, 0.3002



45.1640, 0.3540, 0.3475



45.1640, 0.3122, 0.3604

Rectangle

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



45.1640, 0.2731, 0.3085



45.1640, 0.2866, 0.2943



45.1640, 0.3540, 0.3475



45.1640, 0.3387, 0.3652

Sweetspot

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



45.1658, 0.2731, 0.3085



92.6427, 0.3003, 0.3231



50.2348, 0.2993, 0.3811



19.5455, 0.2980, 0.3220



0.0000, 0.0000, 0.0000



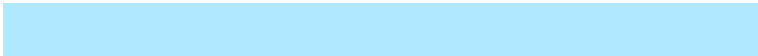
21.4041, 0.3127, 0.3290

Same Dimension

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



45.1658, 0.2731, 0.3085



74.2890, 0.2651, 0.3036



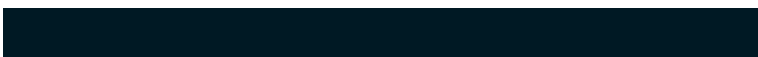
35.3402, 0.2697, 0.2718



11.5314, 0.2984, 0.3222



15.1880, 0.1982, 0.2334



0.8388, 0.2044, 0.2557

Inverse Universe

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



36.9505, 0.3298, 0.2823



58.1305, 0.3343, 0.2723



50.6934, 0.3549, 0.3803



10.7625, 0.3181, 0.3127



9.0732, 0.4091, 0.2027



0.4417, 0.3866, 0.1904

Previews

White Background



This preview shows how the Yxy color 45.1640, 0.2731, 0.3085 looks on a white background.

Color Contrast Check

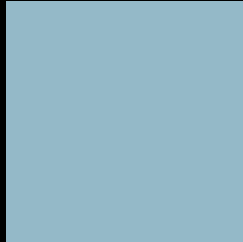
Large Text (above 18pt) WCAG AA × Fail

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 45.1640, 0.2731, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

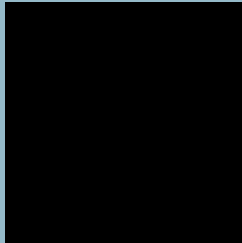
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

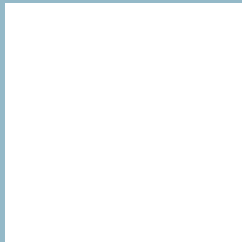
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1640, 0.2731, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 45.1640, 0.2731, 0.3085.



This preview shows how white text looks on a background with the Yxy color 45.1640, 0.2731, 0.3085.

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

45.1640, 0.2731, 0.3085

Protanopia

45.1280, 0.2985, 0.3069

Deuteranopia

44.8507, 0.2998, 0.2936



Tritanopia

45.1640, 0.2731, 0.3085

Trichromacy



Original Color

45.1640, 0.2731, 0.3085

Protanomaly

45.1860, 0.2883, 0.3077

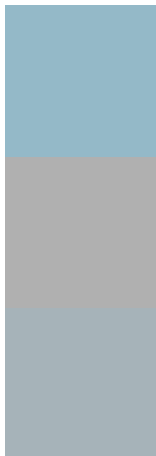
Deuteranomaly

44.8285, 0.2900, 0.2990

Tritanomaly

45.1640, 0.2731, 0.3085

Monochromacy



Original Color

45.1640, 0.2731, 0.3085

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.8500, 0.2971, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1640, 0.2731, 0.3085 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(148, 185, 200)` looks like.

```
.text, #text, p{  
    color:rgb(148, 185, 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(148, 185, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 185, 200) }
```

Border

The CSS property to change the border of an element to Yxy 45.1640, 0.2731, 0.3085 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(148, 185, 200) }
```

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

```
.border{ border-color:rgb(148, 185, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 185, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 185, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 185, 200);  
box-shadow:4px 4px 4px 4px rgb(148, 185,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1640, 0.2731, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 185, 200) }
```

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

```
.background{ background-color: rgb(148,  
185, 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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