

Converting Colors

$Yxy(45.9907, 0.2664, 0.2971)$

Have a look what the booklet for
Yxy(45.9907, 0.2664, 0.2971)
contains.

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Color

Yxy(45.9740, 0.2662, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	93BAD2
RGB	147, 186, 210
RGB Percent	58%, 73%, 82%
CMY	0.4235, 0.2706, 0.1766
CMYK	0.30, 0.11, 0.00, 0.18
HSL	203°, 41%, 70%
HSV	203°, 30%, 82%
XYZ	41.2202, 45.9740, 67.6525
YIQ	177.0750, -30.9480, -0.8040

Conversions

Conversions Part 2

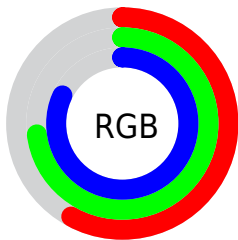
Format	Color
R _{YB}	147, 171, 210
Decimal	9681618
CIE Lab	73.53, -7.43, -16.30
CIE LCh	74, 17.917, 245.490
Yxy	45.9740, 0.2662, 0.2969
Android (android.graphics.Color)	4287871698 (0xFF93BAD2)
YUV	177.0750, 16.2320, -26.3758
Hunter-Lab	67.8041, -10.1416, -11.6946

Details

The Yxy color **45.9740, 0.2662, 0.2969** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.9124, 0.3707, 0.3589**, and the grayscale version is **43.9329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2808, 0.2807, 0.3152**, and **21.5213, 0.2536, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **40.9360, 0.2510, 0.2842**, and if you desaturate by 10%, it is **51.5582, 0.2818, 0.3086**.

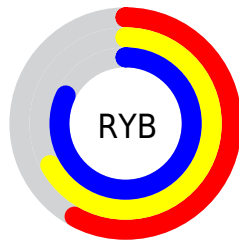
Distribution



Red (58%)

Green (73%)

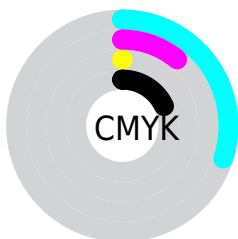
Blue (82%)



Red (58%)

Yellow (67%)

Blue (82%)

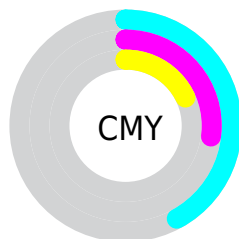


Cyan (30%)

Magenta (11%)

Yellow (0%)

Black (18%)



Cyan (42%)

Magenta (27%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9740, 0.2662, 0.2969 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 45.9740, 0.2662, 0.2969 by changing the saturation by 10% instead.

■ 45.9740, 0.2662,
0.2969

■ 45.9740, 0.2662,
0.2969

370.7041, 0.2891,
0.3131

■ 32.2253, 0.2606,
0.2928

■ 84.1801, 0.2745,
0.3028

■ 21.5336, 0.2535,
0.2875

■ 109.4063, 0.2776,
0.3051

■ 13.5146, 0.2441,
0.2805

139.2271, 0.2802,
0.3069

■ 7.7839, 0.2314,
0.2707

174.0269, 0.2825,
0.3085

■ 3.9570, 0.2130,
0.2562

214.1901, 0.2845,
0.3099

■ 1.6495, 0.1846,
0.2326

260.1011, 0.2862,

■ 0.3906, 0.0833,

0.3111

0.1714

312.1443, 0.2878,
0.3122

0.0000, 0.0000,
0.0000

45.9740, 0.2662,
0.2969

45.9740, 0.2662,
0.2969

40.9360, 0.2510,
0.2842

51.5582, 0.2818,
0.3086

36.4162, 0.2366,
0.2706

57.7038, 0.2974,
0.3193

32.3923, 0.2233,
0.2564

64.4322, 0.3127,
0.3290

28.8376, 0.2117,
0.2418

71.7618, 0.3277,
0.3376

25.7219, 0.2019,
0.2270

79.7103, 0.3420,
0.3453

■ 23.0100, 0.1942,
0.2124

■ 84.7239, 0.3429,
0.3531

■ 20.6403, 0.1884,
0.1981

■ 89.3743, 0.3415,
0.3608

■ 20.6383, 0.1884,
0.1981

■ 94.2324, 0.3402,
0.3684

■ 97.4316, 0.3394,
0.3731

Harmonies

Analogous

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



45.9740, 0.2670, 0.3154



45.9740, 0.2662, 0.2969



45.9740, 0.2772, 0.2878

Triad

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



45.9740, 0.2662, 0.2969



45.9740, 0.3465, 0.3183



45.9740, 0.3262, 0.3726

Complementary

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



45.9740, 0.2662, 0.2969



44.9124, 0.3707, 0.3589

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.



45.9740, 0.3485, 0.3716



45.9740, 0.2662, 0.2969



45.9740, 0.3607, 0.3395

Square

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



45.9740, 0.2662, 0.2969



45.9740, 0.3232, 0.3003



45.9740, 0.3613, 0.3590



45.9740, 0.3010, 0.3605

Rectangle

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



45.9740, 0.2662, 0.2969



45.9740, 0.2901, 0.2876



45.9740, 0.3613, 0.3590



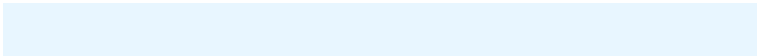
45.9740, 0.3343, 0.3737

Sweetspot

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



45.9758, 0.2662, 0.2969



90.4589, 0.2987, 0.3203



55.1857, 0.2940, 0.3832



19.0470, 0.2965, 0.3188



0.0000, 0.0000, 0.0000



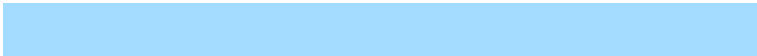
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9758, 0.2662, 0.2969



66.2521, 0.2564, 0.2889



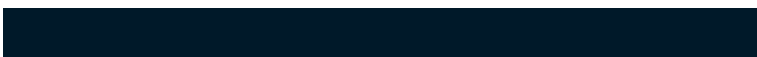
34.4278, 0.2614, 0.2539



12.6199, 0.2983, 0.3199



12.7926, 0.1890, 0.2002



0.8659, 0.1963, 0.2265

Inverse Universe

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



38.1088, 0.3388, 0.2815



52.6966, 0.3462, 0.2711



57.8439, 0.3603, 0.3944



11.9296, 0.3195, 0.3147



9.3627, 0.4450, 0.2225



0.5387, 0.4164, 0.2067

Previews

White Background



This preview shows how the Yxy color 45.9740, 0.2662, 0.2969 looks on a white background.

Color Contrast Check

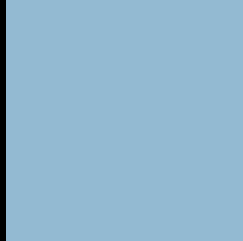
Large Text (above 18pt) WCAG AA × Fail

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 45.9740, 0.2662, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

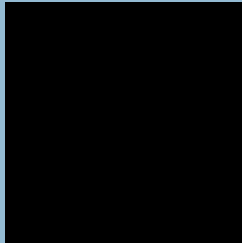
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

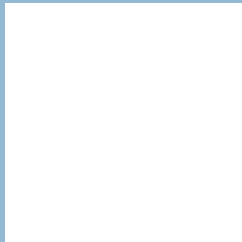
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9740, 0.2662, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 45.9740, 0.2662, 0.2969.



This preview shows how white text looks on a background with the Yxy color 45.9740, 0.2662, 0.2969.

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

45.9740, 0.2662, 0.2969

Protanopia

45.8781, 0.2903, 0.2957

Deuteranopia

45.7492, 0.2899, 0.2840



Tritanopia

45.8247, 0.2700, 0.3085

Trichromacy



Original Color

45.9740, 0.2662, 0.2969

Protanomaly

45.9602, 0.2806, 0.2964

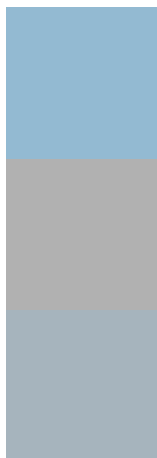
Deuteranomaly

45.7807, 0.2807, 0.2891

Tritanomaly

46.0594, 0.2688, 0.3046

Monochromacy



Original Color

45.9740, 0.2662, 0.2969

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4236, 0.2941, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9740, 0.2662, 0.2969 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(147, 186, 210)` looks like.

```
.text, #text, p{  
    color:rgb(147, 186, 210)  
}
```

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(147, 186, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 186, 210) }
```

Border

The CSS property to change the border of an element to Yxy 45.9740, 0.2662, 0.2969 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(147, 186, 210) }
```

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

```
.border{ border-color:rgb(147, 186, 210) }
```

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

Here you see how a box with a 4 pixel rgb(147, 186, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 186, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 186, 210);  
box-shadow:4px 4px 4px 4px rgb(147, 186,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9740, 0.2662, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 186, 210) }
```

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

```
.background{ background-color: rgb(147,  
186, 210) }
```

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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