

# Converting Colors

$Yxy(45.5216, 0.2641, 0.2936)$

Have a look what the booklet for  
Yxy(45.5216, 0.2641, 0.2936)  
contains.

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# Color

**Yxy(45.4208, 0.2641, 0.2941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91B9D3
RGB	145, 185, 211
RGB Percent	57%, 73%, 83%
CMY	0.4312, 0.2745, 0.1726
CMYK	0.31, 0.12, 0.00, 0.17
HSL	204°, 43%, 70%
HSV	204°, 31%, 83%
XYZ	40.7876, 45.4208, 68.2316
YIQ	176.0040, -32.1860, -0.3940

# Conversions

## Conversions Part 2

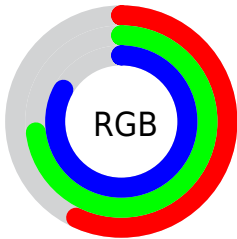
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 170, 211
Decimal	9550291
CIE <sub>Lab</sub>	73.17, -7.21, -17.41
CIE <sub>LCh</sub>	73, 18.843, 247.511
Yxy	45.4208, 0.2641, 0.2941
Android (android.graphics.Color)	4287740371 (0xFF91B9D3)
YUV	176.0040, 17.2530, -27.1905
Hunter-Lab	67.3950, -9.9125, -12.8495

# Details

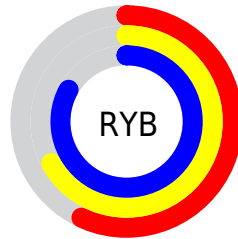
The Yxy color **45.4208, 0.2641, 0.2941** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **45.0294, 0.3735, 0.3613**, and the grayscale version is **43.3441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4100, 0.2795, 0.3141**, and **21.1781, 0.2509, 0.2847** is the 20% darker color. If you saturate the color by 10%, you get **40.3021, 0.2489, 0.2808**, and if you desaturate by 10%, it is **51.1025, 0.2797, 0.3064**.

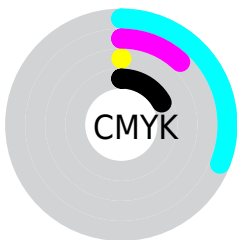
# Distribution



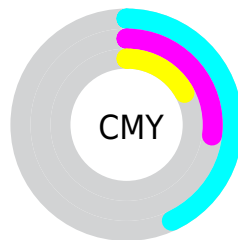
- Red (57%)
- Green (73%)
- Blue (83%)



- Red (57%)
- Yellow (67%)
- Blue (83%)



- Cyan (31%)
- Magenta (12%)
- Yellow (0%)
- Black (17%)



- Cyan (43%)
- Magenta (27%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4208, 0.2641, 0.2941 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 45.4208, 0.2641, 0.2941 by changing the saturation by 10% instead.



■ 45.4208, 0.2641,  
0.2941

■ 45.4208, 0.2641,  
0.2941

368.4751, 0.2881,  
0.3118

■ 31.7890, 0.2582,  
0.2897

■ 83.3515, 0.2727,  
0.3005

■ 21.2004, 0.2508,  
0.2839

■ 108.4192, 0.2760,  
0.3030

■ 13.2706, 0.2410,  
0.2763

138.0677, 0.2788,  
0.3050

■ 7.6151, 0.2276,  
0.2657

172.6813, 0.2812,  
0.3067

■ 3.8497, 0.2084,  
0.2500

212.6444, 0.2832,  
0.3083

■ 1.5898, 0.1788,  
0.2246

258.3415, 0.2851,

■ 0.3507, 0.0698,

0.3096

0.1554

310.1570, 0.2867,  
0.3107

0.0000, 0.0000,  
0.0000

45.4208, 0.2641,  
0.2941

45.4208, 0.2641,  
0.2941

40.3021, 0.2489,  
0.2808

51.1025, 0.2797,  
0.3064

35.7179, 0.2344,  
0.2666

57.3633, 0.2954,  
0.3177

31.6447, 0.2211,  
0.2518

64.2253, 0.3108,  
0.3278

28.0548, 0.2094,  
0.2365

71.7077, 0.3258,  
0.3369

24.9166, 0.1997,  
0.2212

79.8287, 0.3402,  
0.3449

■ 22.1934, 0.1921,  
0.2061

■ 85.3126, 0.3420,  
0.3530

■ 20.0971, 0.1870,  
0.1932

■ 90.1825, 0.3407,  
0.3610

■ 95.2779, 0.3393,  
0.3688

■ 97.4822, 0.3388,  
0.3721

# Harmonies

## Analogous

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



45.4208, 0.2641, 0.3130



45.4208, 0.2641, 0.2941



45.4208, 0.2764, 0.2853

# Triad

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



45.4208, 0.2641, 0.2941



45.4208, 0.3498, 0.3192



45.4208, 0.3252, 0.3747

# Complementary

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



45.4208, 0.2641, 0.2941



45.0294, 0.3735, 0.3613

# 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.



45.4208, 0.3491, 0.3745



45.4208, 0.2641, 0.2941



45.4208, 0.3639, 0.3415

# Square

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



45.4208, 0.2641, 0.2941



45.4208, 0.3255, 0.2999



45.4208, 0.3636, 0.3618



45.4208, 0.2986, 0.3610



# Rectangle

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



45.4208, 0.2641, 0.2941



45.4208, 0.2904, 0.2857



45.4208, 0.3636, 0.3618



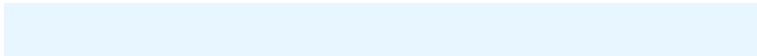
45.4208, 0.3338, 0.3762

# Sweetspot

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



45.4226, 0.2641, 0.2941



90.2686, 0.2987, 0.3199



55.5172, 0.2926, 0.3843



19.0001, 0.2965, 0.3184



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

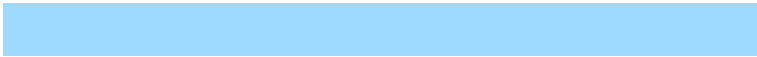


# Same Dimension

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



45.4226, 0.2641, 0.2941



64.0281, 0.2531, 0.2847



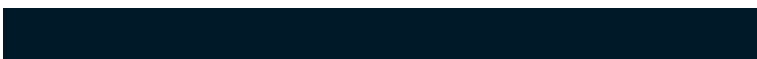
33.4235, 0.2588, 0.2486



12.5924, 0.2983, 0.3196



12.3359, 0.1876, 0.1954



0.8421, 0.1952, 0.2226



# Inverse Universe

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



37.6139, 0.3411, 0.2805



50.7478, 0.3499, 0.2691



58.7398, 0.3621, 0.3983



11.9268, 0.3197, 0.3150



9.3166, 0.4505, 0.2255

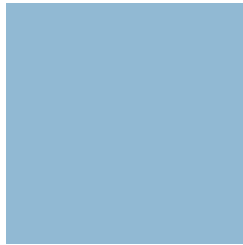


0.5363, 0.4205, 0.2090



# Previews

## White Background



This preview shows how the Yxy color 45.4208, 0.2641, 0.2941 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

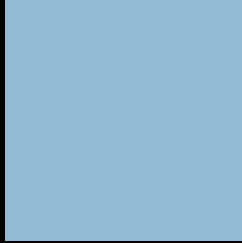
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.4208, 0.2641, 0.2941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

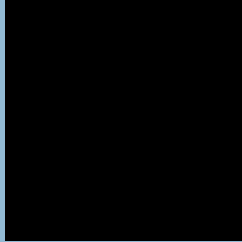
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

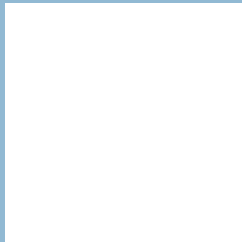
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.4208, 0.2641, 0.2941**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.4208, 0.2641, 0.2941.



This preview shows how white text looks on a background with the Yxy color 45.4208, 0.2641, 0.2941.

# 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

45.4208, 0.2641, 0.2941

### Protanopia

45.2957, 0.2879, 0.2930

### Deuteranopia

45.1673, 0.2875, 0.2813



## Tritanopia

45.6446, 0.2686, 0.3084

# Trichromacy



## Original Color

45.4208, 0.2641, 0.2941

## Protanomaly

45.3883, 0.2783, 0.2936

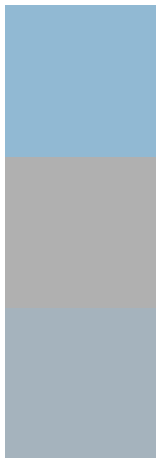
## Deuteranomaly

45.2092, 0.2784, 0.2864

## Tritanomaly

45.4549, 0.2673, 0.3031

# Monochromacy



## Original Color

45.4208, 0.2641, 0.2941

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.9137, 0.2933, 0.3155

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4208, 0.2641, 0.2941 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(145, 185, 211)` looks like.

```
.text, #text, p{  
    color:rgb(145, 185, 211)  
}
```

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(145, 185, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 185, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4208, 0.2641, 0.2941 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(145, 185, 211) }
```

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

```
.border{ border-color:rgb(145, 185, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 185, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 185, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 185, 211);  
box-shadow:4px 4px 4px 4px rgb(145, 185,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4208, 0.2641, 0.2941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 185, 211) }
```

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

```
.background{ background-color: rgb(145,  
185, 211) }
```

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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