

Converting Colors

$Y_{xy}(45.6410, 0.2542, 0.2870)$

Have a look what the booklet for
Yxy(45.6410, 0.2542, 0.2870)
contains.

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Color

Yxy(45.8368, 0.2545, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	88BBDA
RGB	136, 187, 218
RGB Percent	53%, 73%, 85%
CMY	0.4667, 0.2666, 0.1452
CMYK	0.38, 0.14, 0.00, 0.15
HSL	203°, 53%, 69%
HSV	203°, 38%, 85%
XYZ	40.5755, 45.8368, 73.0200
YIQ	175.2850, -40.3470, -1.1710

Conversions

Conversions Part 2

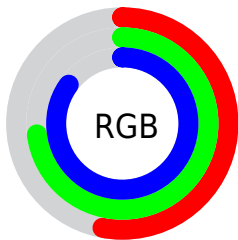
Format	Color
RYB	136, 167, 218
Decimal	8960986
CIELab	73.44, -9.03, -20.86
CIELCh	73, 22.727, 246.583
Yxy	45.8368, 0.2545, 0.2875
Android (android.graphics.Color)	4287151066 (0xFF88BBDA)
YUV	175.2850, 21.0585, -34.4529
Hunter-Lab	67.7029, -11.5018, -16.5544

Details

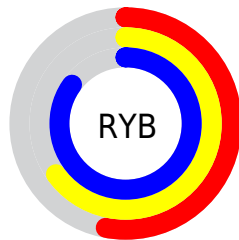
The Yxy color **45.8368, 0.2545, 0.2875** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.3053, 0.3903, 0.3667**, and the grayscale version is **42.9300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5277, 0.2751, 0.3161**, and **21.4884, 0.2389, 0.2758** is the 20% darker color. If you saturate the color by 10%, you get **40.8007, 0.2399, 0.2742**, and if you desaturate by 10%, it is **51.4479, 0.2698, 0.2999**.

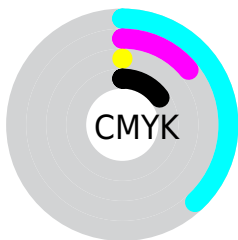
Distribution



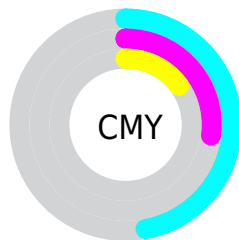
- Red (53%)
- Green (73%)
- Blue (85%)



- Red (53%)
- Yellow (65%)
- Blue (85%)



- Cyan (38%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)



- Cyan (47%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8368, 0.2545, 0.2875 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 45.8368, 0.2545, 0.2875 by changing the saturation by 10% instead.

■ 45.8368, 0.2545,
0.2875

■ 45.8368, 0.2545,
0.2875

■ 370.1521, 0.2830,
0.3085

■ 32.1171, 0.2476,
0.2822

■ 83.9747, 0.2647,
0.2951

■ 21.4509, 0.2389,
0.2755

■ 109.1616, 0.2686,
0.2980

■ 13.4540, 0.2275,
0.2666

■ 138.9398, 0.2719,
0.3004

■ 7.7419, 0.2122,
0.2542

■ 173.6935, 0.2748,
0.3025

■ 3.9303, 0.1905,
0.2361

■ 213.8072, 0.2772,
0.3043

■ 1.6346, 0.1580,
0.2075

■ 259.6653, 0.2794,

■ 0.3808, 0.0522,

0.3059

0.1405

311.6521, 0.2813,
0.3072

0.0000, 0.0000,
0.0000

45.8368, 0.2545,
0.2875

45.8368, 0.2545,
0.2875

40.8007, 0.2399,
0.2742

51.4479, 0.2698,
0.2999

36.3084, 0.2263,
0.2602

57.6527, 0.2854,
0.3114

32.3330, 0.2143,
0.2457

64.4753, 0.3010,
0.3218

28.8427, 0.2040,
0.2310

71.9368, 0.3163,
0.3312

25.8004, 0.1959,
0.2164

80.0570, 0.3312,
0.3395

■ 23.1564, 0.1899,
0.2022

■ 86.5505, 0.3372,
0.3474

■ 22.5643, 0.1886,
0.1988

■ 91.4133, 0.3360,
0.3553

■ 96.4978, 0.3349,
0.3631

■ 97.8406, 0.3346,
0.3651

Harmonies

Analogous

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



45.8368, 0.2549, 0.3102



45.8368, 0.2545, 0.2875



45.8368, 0.2686, 0.2770

Triad

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



45.8368, 0.2545, 0.2875



45.8368, 0.3566, 0.3163



45.8368, 0.3284, 0.3846

Complementary

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



45.8368, 0.2545, 0.2875



44.3053, 0.3903, 0.3667

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.



45.8368, 0.3570, 0.3834



45.8368, 0.2545, 0.2875



45.8368, 0.3742, 0.3427

Square

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



45.8368, 0.2545, 0.2875



45.8368, 0.3270, 0.2937



45.8368, 0.3742, 0.3672



45.8368, 0.2965, 0.3686

Rectangle

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



45.8368, 0.2545, 0.2875



45.8368, 0.2850, 0.2773



45.8368, 0.3742, 0.3672



45.8368, 0.3387, 0.3861

Sweetspot

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



45.8386, 0.2545, 0.2875



88.4871, 0.2956, 0.3183



58.1192, 0.2897, 0.3999



18.6528, 0.2935, 0.3169



0.0000, 0.0000, 0.0000



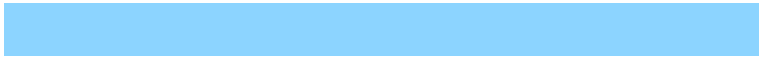
21.4041, 0.3127, 0.3290

Same Dimension

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



45.8386, 0.2545, 0.2875



59.7293, 0.2430, 0.2772



31.1412, 0.2462, 0.2308



13.9600, 0.2982, 0.3200



13.7352, 0.1891, 0.2009



1.0538, 0.1956, 0.2241

Inverse Universe

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



36.0985, 0.3476, 0.2688



44.8251, 0.3577, 0.2565



61.3264, 0.3732, 0.4110



13.1871, 0.3195, 0.3146



10.0103, 0.4443, 0.2221



0.6651, 0.4189, 0.2081

Previews

White Background



This preview shows how the Yxy color 45.8368, 0.2545, 0.2875 looks on a white background.

Color Contrast Check

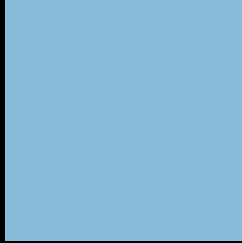
Large Text (above 18pt) WCAG AA × Fail

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 45.8368, 0.2545, 0.2875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

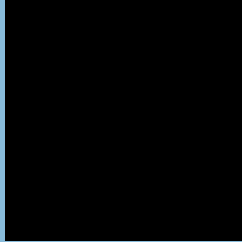
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8368, 0.2545, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 45.8368, 0.2545, 0.2875.



This preview shows how white text looks on a background with the Yxy color 45.8368, 0.2545, 0.2875.

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

45.8368, 0.2545, 0.2875

Protanopia

45.4785, 0.2829, 0.2857

Deuteranopia

45.5651, 0.2803, 0.2742



Tritanopia

45.7414, 0.2612, 0.3082

Trichromacy



Original Color

45.8368, 0.2545, 0.2875

Protanomaly

45.3764, 0.2721, 0.2860

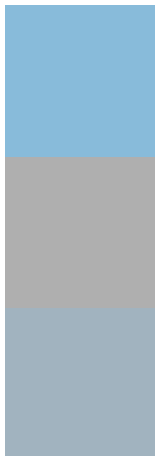
Deuteranomaly

45.4384, 0.2701, 0.2789

Tritanomaly

45.6382, 0.2587, 0.3002

Monochromacy



Original Color

45.8368, 0.2545, 0.2875

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5789, 0.2886, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8368, 0.2545, 0.2875 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(136, 187, 218)` looks like.

```
.text, #text, p{  
    color:rgb(136, 187, 218)  
}
```

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(136, 187, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 187, 218) }
```

Border

The CSS property to change the border of an element to Yxy 45.8368, 0.2545, 0.2875 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(136, 187, 218) }
```

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

```
.border{ border-color:rgb(136, 187, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 187, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 187, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 187, 218);  
box-shadow:4px 4px 4px 4px rgb(136, 187,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8368, 0.2545, 0.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 187, 218) }
```

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

```
.background{ background-color: rgb(136,  
187, 218) }
```

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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