

Converting Colors

$Y_{xy}(45.2554, 0.2539, 0.2828)$

Have a look what the booklet for
Yxy(45.2554, 0.2539, 0.2828)
contains.

Yxy(45.1836, 0.2536, 0.2823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.1836, 0.2536, 0.2823)

Conversions

Conversions Part 1

Format	Color
Hex	89B9DC
RGB	137, 185, 220
RGB Percent	54%, 73%, 86%
CMY	0.4625, 0.2745, 0.1373
CMYK	0.38, 0.16, 0.00, 0.14
HSL	205°, 54%, 70%
HSV	205°, 38%, 86%
XYZ	40.5900, 45.1836, 74.2816
YIQ	174.6380, -39.8430, 0.7090

Conversions

Conversions Part 2

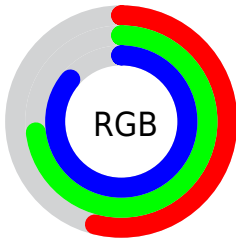
Format	Color
R_{YB}	137, 167, 220
Decimal	9026012
CIE _{Lab}	73.01, -7.15, -22.59
CIE _{LCh}	73, 23.697, 252.446
Yxy	45.1836, 0.2536, 0.2823
Android (android.graphics.Color)	4287216092 (0xFF89B9DC)
YUV	174.6380, 22.3635, -33.0085
Hunter-Lab	67.2187, -9.8457, -18.4667

Details

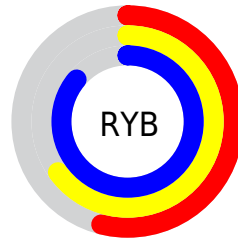
The Yxy color **45.1836, 0.2536, 0.2823** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.5502, 0.3890, 0.3711**, and the grayscale version is **42.5781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4681, 0.2755, 0.3139**, and **21.0581, 0.2375, 0.2688** is the 20% darker color. If you saturate the color by 10%, you get **39.7524, 0.2385, 0.2673**, and if you desaturate by 10%, it is **51.2510, 0.2693, 0.2963**.

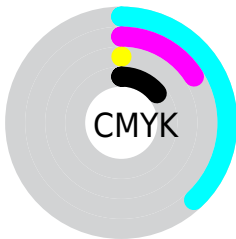
Distribution



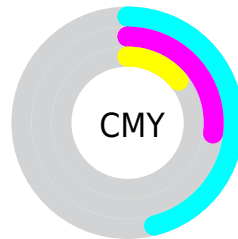
- Red (54%)
- Green (73%)
- Blue (86%)



- Red (54%)
- Yellow (65%)
- Blue (86%)



- Cyan (38%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)



- Cyan (46%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1836, 0.2536, 0.2823 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 45.1836, 0.2536, 0.2823 by changing the saturation by 10% instead.

■ 45.1836, 0.2536,
0.2823

■ 45.1836, 0.2536,
0.2823

■ 367.5166, 0.2826,
0.3058

■ 31.6021, 0.2466,
0.2765

■ 82.9959, 0.2640,
0.2908

■ 21.0577, 0.2377,
0.2690

■ 107.9954, 0.2680,
0.2940

■ 13.1662, 0.2261,
0.2591

■ 137.5697, 0.2713,
0.2968

■ 7.5431, 0.2104,
0.2455

■ 172.1031, 0.2742,
0.2991

■ 3.8040, 0.1883,
0.2257

■ 211.9802, 0.2767,
0.3011

■ 1.5645, 0.1554,
0.1950

■ 257.5852, 0.2789,

■ 0.3335, 0.0511,

0.3029

0.1197

309.3025, 0.2809,
0.3044

0.0000, 0.0000,
0.0000

45.1836, 0.2536,
0.2823

45.1836, 0.2536,
0.2823

39.7524, 0.2385,
0.2673

51.2510, 0.2693,
0.2963

34.9243, 0.2243,
0.2515

57.9753, 0.2852,
0.3092

30.6702, 0.2116,
0.2351

65.3823, 0.3009,
0.3208

26.9560, 0.2007,
0.2186

73.4950, 0.3162,
0.3313

23.7421, 0.1920,
0.2023

82.3349, 0.3309,
0.3407

■ 20.9757, 0.1855,
0.1865

■ 89.1577, 0.3353,
0.3495

■ 20.3829, 0.1841,
0.1829

■ 94.7858, 0.3340,
0.3584

■ 97.9466, 0.3334,
0.3631

Harmonies

Analogous

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



45.1836, 0.2510, 0.3037



45.1836, 0.2536, 0.2823



45.1836, 0.2711, 0.2741

Triad

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



45.1836, 0.2536, 0.2823



45.1836, 0.3635, 0.3208



45.1836, 0.3225, 0.3855

Complementary

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



45.1836, 0.2536, 0.2823



46.5502, 0.3890, 0.3711

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.



45.1836, 0.3539, 0.3876



45.1836, 0.2536, 0.2823



45.1836, 0.3787, 0.3485

Square

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



45.1836, 0.2536, 0.2823



45.1836, 0.3342, 0.2962



45.1836, 0.3749, 0.3732



45.1836, 0.2896, 0.3655

Rectangle

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



45.1836, 0.2536, 0.2823



45.1836, 0.2895, 0.2762



45.1836, 0.3749, 0.3732



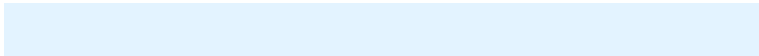
45.1836, 0.3336, 0.3883

Sweetspot

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



45.1853, 0.2536, 0.2823



87.7410, 0.2956, 0.3170



59.4671, 0.2873, 0.3943



18.4747, 0.2934, 0.3154



0.0000, 0.0000, 0.0000



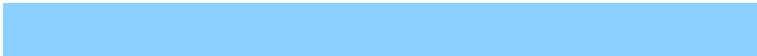
21.4041, 0.3127, 0.3290

Same Dimension

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



45.1853, 0.2536, 0.2823



57.2357, 0.2419, 0.2709



30.4306, 0.2452, 0.2246



13.8608, 0.2982, 0.3189



12.1892, 0.1848, 0.1852



0.9589, 0.1920, 0.2110

Inverse Universe

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



36.6266, 0.3516, 0.2727



44.5734, 0.3628, 0.2614



64.6484, 0.3717, 0.4154



13.1771, 0.3202, 0.3156



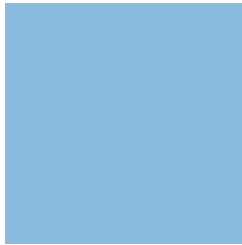
9.8543, 0.4623, 0.2320



0.6555, 0.4330, 0.2159

Previews

White Background



This preview shows how the Yxy color 45.1836, 0.2536, 0.2823 looks on a white background.

Color Contrast Check

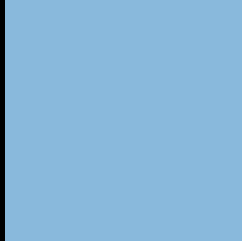
Large Text (above 18pt) WCAG AA × Fail

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 45.1836, 0.2536, 0.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

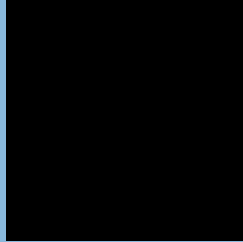
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

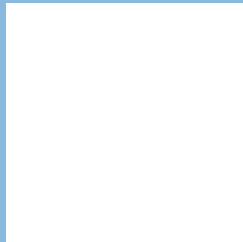
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1836, 0.2536, 0.2823

Background



This preview shows how black text looks on a background with the Yxy color 45.1836, 0.2536, 0.2823.



This preview shows how white text looks on a background with the Yxy color 45.1836, 0.2536, 0.2823.

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

45.1836, 0.2536, 0.2823

Protanopia

44.9572, 0.2799, 0.2818

Deuteranopia

44.9325, 0.2765, 0.2703



Tritanopia

45.2648, 0.2616, 0.3081

Trichromacy



Original Color

45.1836, 0.2536, 0.2823

Protanomaly

44.9713, 0.2699, 0.2822

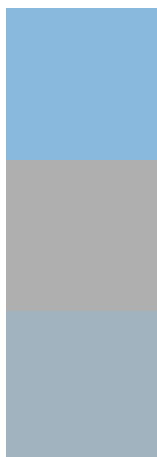
Deuteranomaly

45.0377, 0.2680, 0.2751

Tritanomaly

45.2124, 0.2585, 0.2988

Monochromacy



Original Color

45.1836, 0.2536, 0.2823

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 45.1836, 0.2536, 0.2823 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(137, 185, 220)` looks like.

```
.text, #text, p{  
    color:rgb(137, 185, 220)  
}
```

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(137, 185, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 185, 220) }
```

Border

The CSS property to change the border of an element to Yxy 45.1836, 0.2536, 0.2823 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(137, 185, 220) }
```

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

```
.border{ border-color:rgb(137, 185, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 185, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 185, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 185, 220);  
box-shadow:4px 4px 4px 4px rgb(137, 185,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1836, 0.2536, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 185, 220) }
```

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

```
.background{ background-color: rgb(137,  
185, 220) }
```

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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