

Converting Colors

$Yxy(45.3448, 0.2630, 0.2920)$

Have a look what the booklet for
Yxy(45.3448, 0.2630, 0.2920)
contains.

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Color

Yxy(45.4711, 0.2634, 0.2928)

Conversions

Conversions Part 1

Format	Color
Hex	91B9D4
RGB	145, 185, 212
RGB Percent	57%, 73%, 83%
CMY	0.4315, 0.2745, 0.1685
CMYK	0.32, 0.13, 0.00, 0.17
HSL	204°, 44%, 70%
HSV	204°, 32%, 83%
XYZ	40.9054, 45.4711, 68.9210
YIQ	176.1180, -32.5070, -0.0830

Conversions

Conversions Part 2

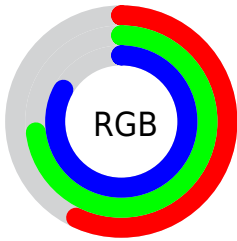
Format	Color
RYB	145, 170, 212
Decimal	9550292
CIELab	73.20, -6.99, -17.93
CIELCh	73, 19.241, 248.708
Yxy	45.4711, 0.2634, 0.2928
Android (android.graphics.Color)	4287740372 (0xFF91B9D4)
YUV	176.1180, 17.6898, -27.2905
Hunter-Lab	67.4323, -9.7259, -13.3964

Details

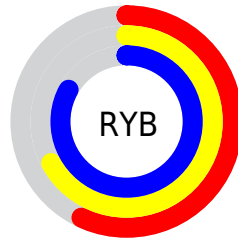
The Yxy color **45.4711, 0.2634, 0.2928** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **45.5345, 0.3742, 0.3625**, and the grayscale version is **43.3965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4100, 0.2795, 0.3141**, and **21.2122, 0.2501, 0.2830** is the 20% darker color. If you saturate the color by 10%, you get **40.2576, 0.2481, 0.2791**, and if you desaturate by 10%, it is **51.2621, 0.2791, 0.3054**.

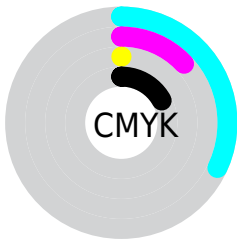
Distribution



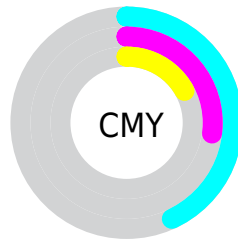
- Red (57%)
- Green (73%)
- Blue (83%)



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



- Cyan (32%)
- Magenta (13%)
- Yellow (0%)
- Black (17%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4711, 0.2634, 0.2928 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 45.4711, 0.2634, 0.2928 by changing the saturation by 10% instead.

■ 45.4711, 0.2634,
0.2928

■ 45.4711, 0.2634,
0.2928

■ 368.6782, 0.2877,
0.3111

■ 31.8287, 0.2575,
0.2882

■ 83.4269, 0.2722,
0.2995

■ 21.2307, 0.2499,
0.2823

■ 108.5090, 0.2755,
0.3020

■ 13.2927, 0.2400,
0.2744

■ 138.1732, 0.2783,
0.3041

■ 7.6304, 0.2265,
0.2635

■ 172.8038, 0.2807,
0.3059

■ 3.8594, 0.2071,
0.2474

■ 212.7852, 0.2828,
0.3075

■ 1.5952, 0.1773,
0.2214

■ 258.5018, 0.2846,

■ 0.3544, 0.0714,

0.3088

0.1521

310.3380, 0.2863,
0.3100

0.0000, 0.0000,
0.0000

45.4711, 0.2634,
0.2928

45.4711, 0.2634,
0.2928

40.2576, 0.2481,
0.2791

51.2621, 0.2791,
0.3054

35.5926, 0.2336,
0.2646

57.6474, 0.2948,
0.3170

31.4518, 0.2202,
0.2493

64.6495, 0.3102,
0.3274

27.8069, 0.2085,
0.2337

72.2881, 0.3252,
0.3367

24.6256, 0.1987,
0.2180

80.5818, 0.3396,
0.3450

■ 21.8700, 0.1911,
0.2026

■ 86.1456, 0.3411,
0.3532

■ 19.8389, 0.1861,
0.1901

■ 91.1875, 0.3397,
0.3614

■ 96.4677, 0.3384,
0.3695

■ 97.5345, 0.3381,
0.3710

Harmonies

Analogous

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



45.4711, 0.2629, 0.3117



45.4711, 0.2634, 0.2928



45.4711, 0.2764, 0.2843

Triad

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



45.4711, 0.2634, 0.2928



45.4711, 0.3514, 0.3198



45.4711, 0.3243, 0.3754

Complementary

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



45.4711, 0.2634, 0.2928



45.5345, 0.3742, 0.3625

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.



45.4711, 0.3490, 0.3757



45.4711, 0.2634, 0.2928



45.4711, 0.3653, 0.3426

Square

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



45.4711, 0.2634, 0.2928



45.4711, 0.3269, 0.3000



45.4711, 0.3643, 0.3631



45.4711, 0.2973, 0.3609

Rectangle

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



45.4711, 0.2634, 0.2928



45.4711, 0.2909, 0.2850



45.4711, 0.3643, 0.3631



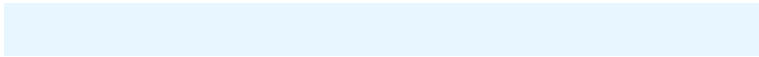
45.4711, 0.3332, 0.3771

Sweetspot

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



45.4729, 0.2634, 0.2928



90.1482, 0.2987, 0.3197



56.0831, 0.2916, 0.3835



18.9704, 0.2964, 0.3182



0.0000, 0.0000, 0.0000



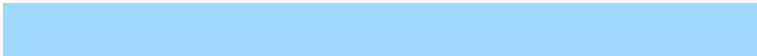
21.4041, 0.3127, 0.3290

Same Dimension

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



45.4729, 0.2634, 0.2928



63.5986, 0.2530, 0.2837



33.1170, 0.2578, 0.2458



13.2298, 0.2982, 0.3194



12.4460, 0.1867, 0.1922



0.9110, 0.1940, 0.2183

Inverse Universe

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



37.7405, 0.3422, 0.2805



50.7045, 0.3507, 0.2699



59.8561, 0.3624, 0.4004



12.5441, 0.3199, 0.3152



9.6013, 0.4542, 0.2276



0.5953, 0.4251, 0.2115

Previews

White Background



This preview shows how the Yxy color 45.4711, 0.2634, 0.2928 looks on a white background.

Color Contrast Check

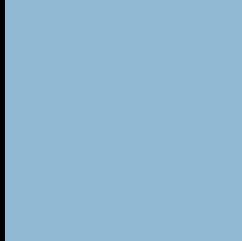
Large Text (above 18pt) WCAG AA × Fail

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 45.4711, 0.2634, 0.2928 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 45.4711, 0.2634, 0.2928

Background



This preview shows how black text looks on a background with the Yxy color 45.4711, 0.2634, 0.2928.



This preview shows how white text looks on a background with the Yxy color 45.4711, 0.2634, 0.2928.

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

45.4711, 0.2634, 0.2928

Protanopia

45.3445, 0.2872, 0.2918

Deuteranopia

45.2183, 0.2868, 0.2801



Tritanopia

45.6446, 0.2686, 0.3084

Trichromacy



Original Color

45.4711, 0.2634, 0.2928

Protanomaly

45.4377, 0.2776, 0.2924

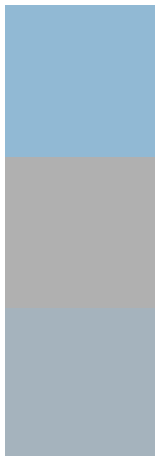
Deuteranomaly

45.2598, 0.2777, 0.2852

Tritanomaly

45.5033, 0.2667, 0.3018

Monochromacy



Original Color

45.4711, 0.2634, 0.2928

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 45.4711, 0.2634, 0.2928 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(145, 185, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 185, 212) }
```

Border

The CSS property to change the border of an element to Yxy 45.4711, 0.2634, 0.2928 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, 212) }
```

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

```
.border{ border-color:rgb(145, 185, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 185, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 185, 212);  
box-shadow:4px 4px 4px 4px rgb(145, 185,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4711, 0.2634, 0.2928 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, 212) }
```

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

```
.background{ background-color: rgb(145,  
185, 212) }
```

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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