

Converting Colors

$Y_{xy}(45.4129, 0.2739, 0.3021)$

Have a look what the booklet for
Yxy(45.4129, 0.2739, 0.3021)
contains.

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Color

Yxy(45.4129, 0.2739, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	99B8CC
RGB	153, 184, 204
RGB Percent	60%, 72%, 80%
CMY	0.4001, 0.2784, 0.1999
CMYK	0.25, 0.10, 0.00, 0.20
HSL	204°, 33%, 70%
HSV	204°, 25%, 80%
XYZ	41.1738, 45.4129, 63.7374
YIQ	177.0110, -24.8960, -0.3520

Conversions

Conversions Part 2

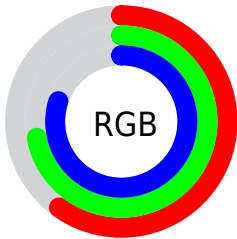
Format	Color
RYB	153, 172, 204
Decimal	10074316
CIELab	73.16, -6.00, -13.58
CIElCh	73, 14.842, 246.160
Yxy	45.4129, 0.2739, 0.3021
Android (android.graphics.Color)	4288264396 (0xFF99B8CC)
YUV	177.0110, 13.3056, -21.0576
Hunter-Lab	67.3891, -8.8700, -8.9048

Details

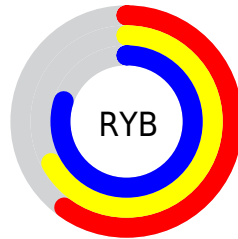
The Yxy color $45.4129, 0.2739, 0.3021$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $45.0204, 0.3590, 0.3544$, and the grayscale version is $43.9095, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.9501, 0.2840, 0.3132$, and $21.2013, 0.2632, 0.2939$ is the 20% darker color. If you saturate the color by 10%, you get $40.3670, 0.2584, 0.2895$, and if you desaturate by 10%, it is $50.9898, 0.2895, 0.3137$.

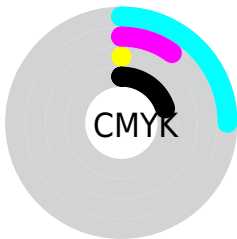
Distribution



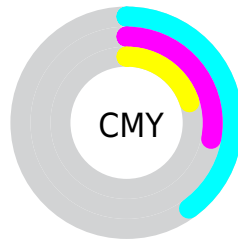
- Red (60%)
- Green (72%)
- Blue (80%)



- Red (60%)
- Yellow (67%)
- Blue (80%)



- Cyan (25%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4129, 0.2739, 0.3021 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 45.4129, 0.2739, 0.3021 by changing the saturation by 10% instead.

■ 45.4129, 0.2739,
0.3021

■ 45.4129, 0.2739,
0.3021

■ 368.4433, 0.2932,
0.3157

■ 31.7828, 0.2692,
0.2987

■ 83.3397, 0.2809,
0.3071

■ 21.1956, 0.2631,
0.2942

■ 108.4051, 0.2835,
0.3089

■ 13.2671, 0.2551,
0.2883

■ 138.0511, 0.2857,
0.3105

■ 7.6127, 0.2441,
0.2799

■ 172.6620, 0.2876,
0.3119

■ 3.8482, 0.2280,
0.2674

■ 212.6223, 0.2893,
0.3130

■ 1.5890, 0.2026,
0.2468

■ 258.3164, 0.2907,

■ 0.3502, 0.0973,

0.3140

0.1828

310.1285, 0.2920,
0.3149

0.0000, 0.0000,
0.0000

45.4129, 0.2739,
0.3021

45.4129, 0.2739,
0.3021

40.3670, 0.2584,
0.2895

50.9898, 0.2895,
0.3137

35.8261, 0.2435,
0.2760

57.1113, 0.3050,
0.3241

31.7704, 0.2295,
0.2616

63.7970, 0.3202,
0.3335

28.1757, 0.2168,
0.2467

71.0640, 0.3348,
0.3419

25.0154, 0.2058,
0.2315

78.9286, 0.3487,
0.3493

■ 22.2591, 0.1969,
0.2163

■ 83.3334, 0.3472,
0.3572

■ 19.8702, 0.1902,
0.2015

■ 87.9394, 0.3457,
0.3649

■ 18.7868, 0.1873,
0.1942

■ 92.7529, 0.3442,
0.3725

■ 97.1408, 0.3430,
0.3790

Harmonies

Analogous

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



45.4129, 0.2744, 0.3175



45.4129, 0.2739, 0.3021



45.4129, 0.2834, 0.2945

Triad

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



45.4129, 0.2739, 0.3021



45.4129, 0.3411, 0.3206



45.4129, 0.3237, 0.3649

Complementary

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



45.4129, 0.2739, 0.3021



45.0204, 0.3590, 0.3544

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.



45.4129, 0.3422, 0.3645



45.4129, 0.2739, 0.3021



45.4129, 0.3526, 0.3384

Square

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



45.4129, 0.2739, 0.3021



45.4129, 0.3220, 0.3052



45.4129, 0.3530, 0.3545



45.4129, 0.3026, 0.3547

Rectangle

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



45.4129, 0.2739, 0.3021



45.4129, 0.2943, 0.2944



45.4129, 0.3530, 0.3545



45.4129, 0.3304, 0.3660

Sweetspot

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



45.4147, 0.2739, 0.3021



91.3373, 0.3003, 0.3210



52.9662, 0.2963, 0.3717



19.2159, 0.2979, 0.3195



0.0000, 0.0000, 0.0000



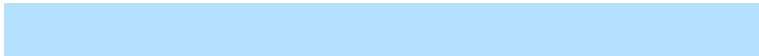
21.4041, 0.3127, 0.3290

Same Dimension

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



45.4147, 0.2739, 0.3021



70.6002, 0.2656, 0.2955



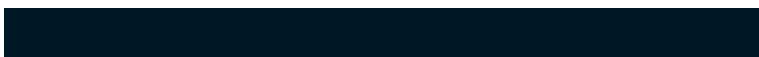
35.9000, 0.2708, 0.2670



11.9600, 0.2983, 0.3197



12.0072, 0.1879, 0.1963



0.7645, 0.1959, 0.2250

Inverse Universe

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



39.0736, 0.3341, 0.2904



58.7369, 0.3399, 0.2818



55.5593, 0.3518, 0.3843



11.3263, 0.3197, 0.3150



9.0151, 0.4495, 0.2250



0.4797, 0.4179, 0.2076

Previews

White Background



This preview shows how the Yxy color 45.4129, 0.2739, 0.3021 looks on a white background.

Color Contrast Check

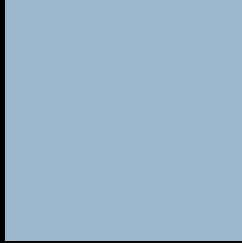
Large Text (above 18pt) WCAG AA × Fail

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 45.4129, 0.2739, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

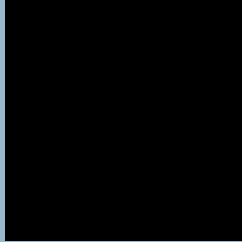
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

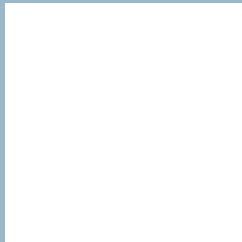
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4129, 0.2739, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 45.4129, 0.2739, 0.3021.



This preview shows how white text looks on a background with the Yxy color 45.4129, 0.2739, 0.3021.

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

45.4129, 0.2739, 0.3021

Protanopia

45.2410, 0.2940, 0.3005

Deuteranopia

45.3065, 0.2959, 0.2900



Tritanopia

45.5435, 0.2760, 0.3087

Trichromacy



Original Color

45.4129, 0.2739, 0.3021

Protanomaly

45.1844, 0.2869, 0.3014

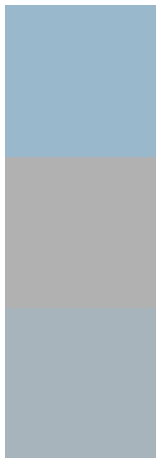
Deuteranomaly

45.1328, 0.2879, 0.2941

Tritanomaly

45.5904, 0.2753, 0.3073

Monochromacy



Original Color

45.4129, 0.2739, 0.3021

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5552, 0.2972, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4129, 0.2739, 0.3021 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(153, 184, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 184, 204)  
}
```

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(153, 184, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 184, 204) }
```

Border

The CSS property to change the border of an element to Yxy 45.4129, 0.2739, 0.3021 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(153, 184, 204) }
```

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

```
.border{ border-color:rgb(153, 184, 204) }
```

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

Here you see how a box with a 4 pixel rgb(153, 184, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 184, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 184, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 184,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4129, 0.2739, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 184, 204) }
```

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

```
.background{ background-color: rgb(153,  
184, 204) }
```

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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