

Converting Colors

$Y_{xy}(45.4231, 0.2920, 0.3142)$

Have a look what the booklet for
Yxy(45.4231, 0.2920, 0.3142)
contains.

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Color

Yxy(45.5216, 0.2920, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	A7B6C1
RGB	167, 182, 193
RGB Percent	65%, 71%, 76%
CMY	0.3451, 0.2863, 0.2431
CMYK	0.13, 0.06, 0.00, 0.24
HSL	205°, 17%, 71%
HSV	205°, 13%, 76%
XYZ	42.2918, 45.5216, 57.0215
YIQ	178.7690, -12.4710, 0.2410

Conversions

Conversions Part 2

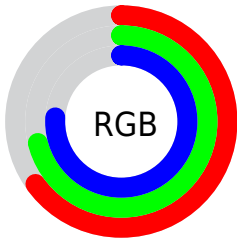
Format	Color
R _Y B	167, 177, 193
Decimal	10991297
CIE Lab	73.23, -2.91, -7.36
CIE LCh	73, 7.912, 248.410
Yxy	45.5216, 0.2920, 0.3143
Android (android.graphics.Color)	4289181377 (0xFFA7B6C1)
YUV	178.7690, 7.0159, -10.3214
Hunter-Lab	67.4697, -6.1835, -2.8797

Details

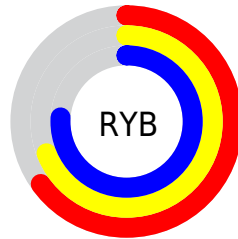
The Yxy color `45.5216, 0.2920, 0.3143` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `45.9800, 0.3352, 0.3433`, and the grayscale version is `44.9184, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.5182, 0.2959, 0.3176`, and `21.2388, 0.2858, 0.3088` is the 20% darker color. If you saturate the color by 10%, you get `40.3243, 0.2763, 0.3020`, and if you desaturate by 10%, it is `51.2319, 0.3074, 0.3254`.

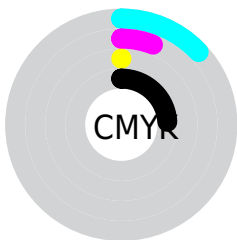
Distribution



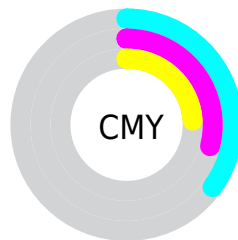
- Red (65%)
- Green (71%)
- Blue (76%)



- Red (65%)
- Yellow (69%)
- Blue (76%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (24%)



- Cyan (35%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5216, 0.2920, 0.3143 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 45.5216, 0.2920, 0.3143 by changing the saturation by 10% instead.

■ 45.5216, 0.2920,
0.3143

■ 45.5216, 0.2920,
0.3143

368.8820, 0.3023,
0.3217

■ 31.8685, 0.2894,
0.3124

■ 83.5026, 0.2958,
0.3170

■ 21.2611, 0.2861,
0.3100

■ 108.5992, 0.2972,
0.3180

■ 13.3150, 0.2817,
0.3068

138.2791, 0.2984,
0.3189

■ 7.6458, 0.2756,
0.3022

172.9268, 0.2994,
0.3196

■ 3.8691, 0.2664,
0.2953

212.9264, 0.3003,
0.3203

■ 1.6006, 0.2514,
0.2837

258.6626, 0.3011,

■ 0.3580, 0.1758,

0.3208

0.2338

310.5197, 0.3017,
0.3213

0.0000, 0.0000,
0.0000

45.5216, 0.2920,
0.3143

45.5216, 0.2920,
0.3143

40.3243, 0.2763,
0.3020

51.2319, 0.3074,
0.3254

35.6173, 0.2606,
0.2886

57.4659, 0.3224,
0.3354

31.3840, 0.2453,
0.2741

64.2407, 0.3367,
0.3442

27.6050, 0.2307,
0.2587

71.5711, 0.3503,
0.3520

24.2588, 0.2173,
0.2426

77.8206, 0.3568,
0.3595

■ 21.3218, 0.2056,
0.2262

■ 82.2919, 0.3549,
0.3675

■ 18.7672, 0.1959,
0.2098

■ 86.9770, 0.3530,
0.3754

■ 16.5636, 0.1884,
0.1938

■ 91.8786, 0.3512,
0.3830

■ 15.2795, 0.1843,
0.1836

■ 96.6312, 0.3496,
0.3899

Harmonies

Analogous

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



45.5216, 0.2918, 0.3224



45.5216, 0.2920, 0.3143



45.5216, 0.2976, 0.3103

Triad

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



45.5216, 0.2920, 0.3143



45.5216, 0.3284, 0.3253



45.5216, 0.3179, 0.3476

Complementary

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



45.5216, 0.2920, 0.3143



45.9800, 0.3352, 0.3433

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.



45.5216, 0.3279, 0.3481



45.5216, 0.2920, 0.3143



45.5216, 0.3341, 0.3350

Square

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



45.5216, 0.2920, 0.3143



45.5216, 0.3186, 0.3167



45.5216, 0.3338, 0.3434



45.5216, 0.3066, 0.3419

Rectangle

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



45.5216, 0.2920, 0.3143



45.5216, 0.3037, 0.3104



45.5216, 0.3338, 0.3434



45.5216, 0.3215, 0.3484

Sweetspot

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



45.5235, 0.2920, 0.3143



91.1131, 0.3066, 0.3248



49.5732, 0.3032, 0.3492



19.3742, 0.3054, 0.3240



97.7402, 0.3127, 0.3290



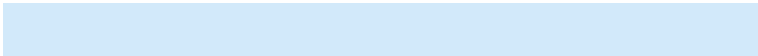
20.4902, 0.3127, 0.3290

Same Dimension

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



45.5235, 0.2920, 0.3143



78.8436, 0.2877, 0.3110



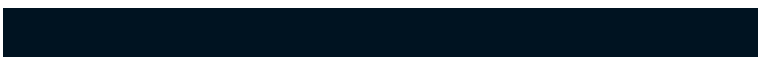
40.5063, 0.2915, 0.2968



10.6905, 0.2984, 0.3190



10.3213, 0.1849, 0.1856



0.5801, 0.1947, 0.2209

Inverse Universe

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



42.3560, 0.3237, 0.3098



72.2385, 0.3264, 0.3057



51.3280, 0.3330, 0.3593



10.1730, 0.3201, 0.3158



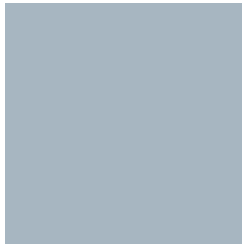
8.3242, 0.4619, 0.2318



0.3732, 0.4223, 0.2100

Previews

White Background



This preview shows how the Yxy color 45.5216, 0.2920, 0.3143 looks on a white background.

Color Contrast Check

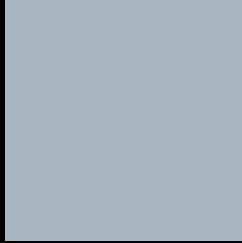
Large Text (above 18pt) WCAG AA × Fail

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 45.5216, 0.2920, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

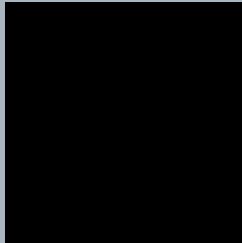
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

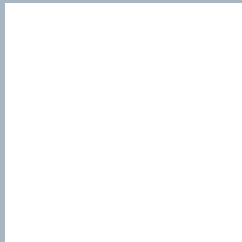
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5216, 0.2920, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 45.5216, 0.2920, 0.3143.

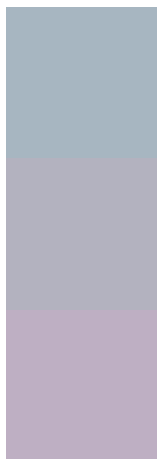


This preview shows how white text looks on a background with the Yxy color 45.5216, 0.2920, 0.3143.

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

45.5216, 0.2920, 0.3143

Protanopia

45.1861, 0.3033, 0.3121

Deuteranopia

45.5472, 0.3096, 0.3038



Tritanopia

45.7663, 0.2906, 0.3105

Trichromacy



Original Color

45.5216, 0.2920, 0.3143

Protanomaly

45.1599, 0.2992, 0.3119

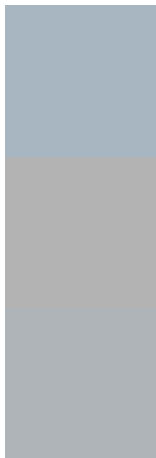
Deuteranomaly

45.6809, 0.3035, 0.3084

Tritanomaly

45.7209, 0.2914, 0.3118

Monochromacy



Original Color

45.5216, 0.2920, 0.3143

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2172, 0.3053, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5216, 0.2920, 0.3143 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(167, 182, 193)` looks like.

```
.text, #text, p{  
    color:rgb(167, 182, 193)  
}
```

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(167, 182, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 182, 193) }
```

Border

The CSS property to change the border of an element to Yxy 45.5216, 0.2920, 0.3143 is called "border". The border property can be set on classes, ids or directly on the HTML element.

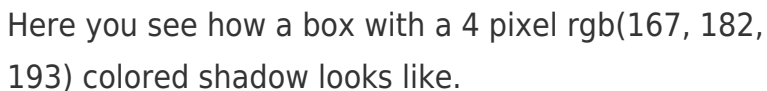
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 182, 193) }
```

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

```
.border{ border-color:rgb(167, 182, 193) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 182, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 182, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 182, 193);  
box-shadow:4px 4px 4px 4px rgb(167, 182,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5216, 0.2920, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 182, 193) }
```

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

```
.background{ background-color: rgb(167,  
182, 193) }
```

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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