

Converting Colors

$Y_{xy}(45.1216, 0.2830, 0.3114)$

Have a look what the booklet for
Yxy(45.1216, 0.2830, 0.3114)
contains.

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Color

Yxy(45.1216, 0.2830, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	9EB7C4
RGB	158, 183, 196
RGB Percent	62%, 72%, 77%
CMY	0.3801, 0.2824, 0.2314
CMYK	0.19, 0.07, 0.00, 0.23
HSL	201°, 24%, 69%
HSV	201°, 19%, 77%
XYZ	41.0065, 45.1216, 58.7711
YIQ	177.0070, -19.0730, -1.2570

Conversions

Conversions Part 2

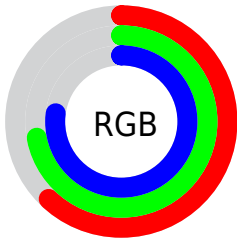
Format	Color
RYB	158, 173, 196
Decimal	10401732
CIELab	72.97, -5.69, -9.44
CIELCh	73, 11.023, 238.931
Yxy	45.1216, 0.2830, 0.3114
Android (android.graphics.Color)	4288591812 (0xFF9EB7C4)
YUV	177.0070, 9.3635, -16.6691
Hunter-Lab	67.1726, -8.5842, -4.8536

Details

The Yxy color **45.1216, 0.2830, 0.3114** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.3594, 0.3472, 0.3460**, and the grayscale version is **43.9339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9710, 0.2881, 0.3144**, and **20.9824, 0.2748, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **40.5841, 0.2677, 0.3010**, and if you desaturate by 10%, it is **50.1123, 0.2984, 0.3209**.

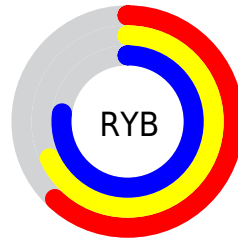
Distribution



Red (62%)

Green (72%)

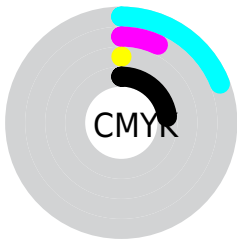
Blue (77%)



Red (62%)

Yellow (68%)

Blue (77%)

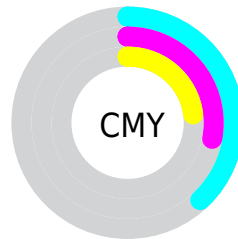


Cyan (19%)

Magenta (7%)

Yellow (0%)

Black (23%)



Cyan (38%)

Magenta (28%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1216, 0.2830, 0.3114 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 45.1216, 0.2830, 0.3114 by changing the saturation by 10% instead.

■ 45.1216, 0.2830,
0.3114

■ 45.1216, 0.2830,
0.3114

367.2658, 0.2978,
0.3204

■ 31.5532, 0.2793,
0.3091

■ 82.9029, 0.2884,
0.3147

■ 21.0205, 0.2746,
0.3062

■ 107.8845, 0.2904,
0.3159

■ 13.1390, 0.2684,
0.3022

137.4394, 0.2921,
0.3169

■ 7.5243, 0.2597,
0.2965

171.9519, 0.2936,
0.3178

■ 3.7921, 0.2468,
0.2880

211.8064, 0.2948,
0.3186

■ 1.5580, 0.2260,
0.2735

257.3873, 0.2960,

■ 0.3290, 0.1142,

0.3193

0.2161

309.0789, 0.2969,
0.3198

0.0000, 0.0000,
0.0000

45.1216, 0.2830,
0.3114

45.1216, 0.2830,
0.3114

40.5841, 0.2677,
0.3010

50.1123, 0.2984,
0.3209

36.4774, 0.2529,
0.2897

55.5663, 0.3137,
0.3295

32.7852, 0.2389,
0.2777

61.5005, 0.3286,
0.3372

29.4880, 0.2261,
0.2651

67.9290, 0.3431,
0.3441

26.5641, 0.2149,
0.2521

74.6633, 0.3560,
0.3502

■ 23.9891, 0.2055,
0.2390

■ 78.1908, 0.3545,
0.3569

■ 21.7346, 0.1982,
0.2259

■ 81.8609, 0.3531,
0.3635

■ 19.7516, 0.1926,
0.2131

■ 85.6753, 0.3516,
0.3700

■ 19.6293, 0.1923,
0.2122

■ 89.6355, 0.3502,
0.3764

Harmonies

Analogous

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



45.1216, 0.2852, 0.3239



45.1216, 0.2830, 0.3114



45.1216, 0.2885, 0.3040

Triad

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



45.1216, 0.2830, 0.3114



45.1216, 0.3308, 0.3197



45.1216, 0.3246, 0.3562

Complementary

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



45.1216, 0.2830, 0.3114



43.3594, 0.3472, 0.3460

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.



45.1216, 0.3373, 0.3543



45.1216, 0.2830, 0.3114



45.1216, 0.3410, 0.3330

Square

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



45.1216, 0.2830, 0.3114



45.1216, 0.3159, 0.3089



45.1216, 0.3433, 0.3456



45.1216, 0.3090, 0.3504

Rectangle

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



45.1216, 0.2830, 0.3114



45.1216, 0.2958, 0.3027



45.1216, 0.3433, 0.3456



45.1216, 0.3294, 0.3564

Sweetspot

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



45.1234, 0.2830, 0.3114



93.9107, 0.3034, 0.3238



49.6839, 0.3013, 0.3636



19.9630, 0.3024, 0.3232



0.0000, 0.0000, 0.0000



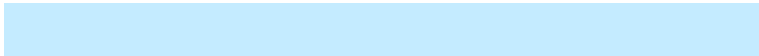
21.4041, 0.3127, 0.3290

Same Dimension

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



45.1234, 0.2830, 0.3114



78.3548, 0.2768, 0.3073



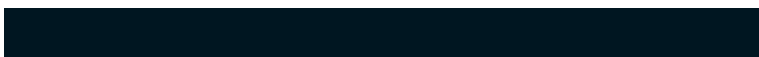
37.9500, 0.2815, 0.2855



10.8279, 0.2984, 0.3209



12.7781, 0.1928, 0.2140



0.6762, 0.2007, 0.2427

Inverse Universe

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



39.6291, 0.3266, 0.2972



66.8896, 0.3301, 0.2904



50.8931, 0.3429, 0.3691



10.1869, 0.3189, 0.3140



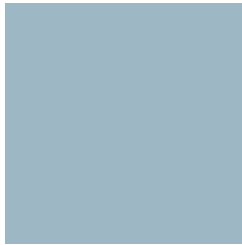
8.5722, 0.4297, 0.2141



0.3829, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 45.1216, 0.2830, 0.3114 looks on a white background.

Color Contrast Check

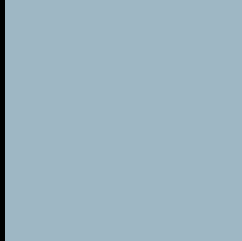
Large Text (above 18pt) WCAG AA × Fail

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 45.1216, 0.2830, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

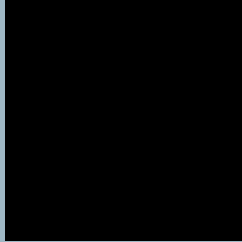
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

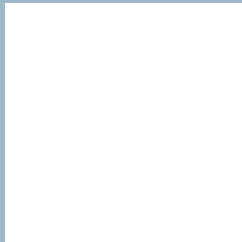
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1216, 0.2830, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 45.1216, 0.2830, 0.3114.

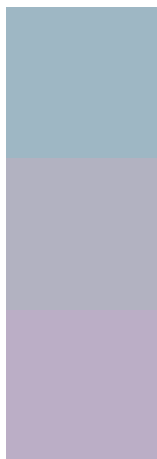


This preview shows how white text looks on a background with the Yxy color 45.1216, 0.2830, 0.3114.

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

45.1216, 0.2830, 0.3114

Protanopia

45.1560, 0.3009, 0.3095

Deuteranopia

44.9141, 0.3046, 0.2986



Tritanopia

45.1673, 0.2823, 0.3101

Trichromacy



Original Color

45.1216, 0.2830, 0.3114

Protanomaly

45.1955, 0.2944, 0.3105

Deuteranomaly

44.7056, 0.2962, 0.3030

Tritanomaly

45.1673, 0.2823, 0.3101

Monochromacy



Original Color

45.1216, 0.2830, 0.3114

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.2469, 0.3012, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1216, 0.2830, 0.3114 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(158, 183, 196)` looks like.

```
.text, #text, p{  
    color:rgb(158, 183, 196)  
}
```

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(158, 183, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 183, 196) }
```

Border

The CSS property to change the border of an element to Yxy 45.1216, 0.2830, 0.3114 is called "border". The border property can be set on classes, ids or directly on the HTML element.

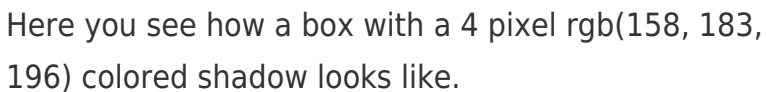
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 183, 196) }
```

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

```
.border{ border-color:rgb(158, 183, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 183, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 183, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 183, 196); box-shadow:4px 4px 4px 4px rgb(158, 183, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1216, 0.2830, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 183, 196) }
```

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

```
.background{ background-color: rgb(158,  
183, 196) }
```

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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