

Converting Colors

$Y_{xy}(45.6488, 0.2828, 0.3125)$

Have a look what the booklet for
Yxy(45.6488, 0.2828, 0.3125)
contains.

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Color

Yxy(45.5356, 0.2830, 0.3128)

Conversions

Conversions Part 1

Format	Color
Hex	9EB8C4
RGB	158, 184, 196
RGB Percent	62%, 72%, 77%
CMY	0.3806, 0.2784, 0.2314
CMYK	0.19, 0.06, 0.00, 0.23
HSL	199°, 24%, 69%
HSV	199°, 19%, 77%
XYZ	41.1975, 45.5356, 58.8411
YIQ	177.5940, -19.3480, -1.7800

Conversions

Conversions Part 2

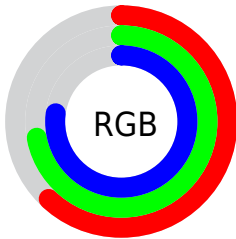
Format	Color
R_{YB}	158, 173, 196
Decimal	10401988
CIE Lab	73.24, -6.27, -9.04
CIE LCh	73, 11.001, 235.242
Yxy	45.5356, 0.2830, 0.3128
Android (android.graphics.Color)	4288592068 (0xFF9EB8C4)
YUV	177.5940, 9.0742, -17.1839
Hunter-Lab	67.4801, -9.1135, -4.4635

Details

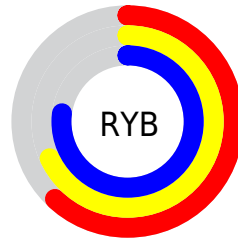
The Yxy color **45.5356, 0.2830, 0.3128** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.9281, 0.3476, 0.3447**, and the grayscale version is **44.2509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5582, 0.2881, 0.3154**, and **21.2498, 0.2750, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **41.1972, 0.2679, 0.3033**, and if you desaturate by 10%, it is **50.3066, 0.2983, 0.3215**.

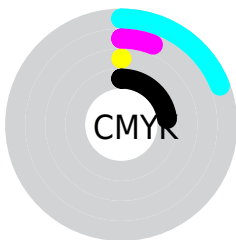
Distribution



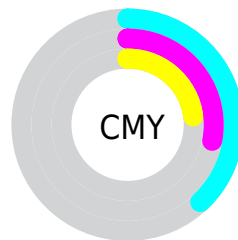
- Red (62%)
- Green (72%)
- Blue (77%)



- Red (62%)
- Yellow (68%)
- Blue (77%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (23%)





- Cyan (38%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5356, 0.2830, 0.3128 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 45.5356, 0.2830, 0.3128 by changing the saturation by 10% instead.


 45.5356, 0.2830,
0.3128

 45.5356, 0.2830,
0.3128


368.9384, 0.2978,
0.3211

 31.8795, 0.2793,
0.3107


 83.5236, 0.2884,
0.3158

 21.2695, 0.2746,
0.3080


 108.6242, 0.2904,
0.3170

 13.3211, 0.2684,
0.3043


138.3085, 0.2921,
0.3179

 7.6500, 0.2598,
0.2991

172.9608, 0.2935,
0.3187

 3.8718, 0.2471,
0.2911

212.9656, 0.2948,
0.3194

 1.6021, 0.2265,
0.2777

258.7072, 0.2959,

 0.3590, 0.1197,

0.3200

0.2285

310.5700, 0.2969,
0.3206

0.0000, 0.0000,
0.0000

45.5356, 0.2830,
0.3128

45.5356, 0.2830,
0.3128

41.1972, 0.2679,
0.3033

50.3066, 0.2983,
0.3215

37.2695, 0.2533,
0.2930

55.5200, 0.3136,
0.3294

33.7365, 0.2397,
0.2820

61.1922, 0.3286,
0.3365

30.5792, 0.2272,
0.2705

67.3369, 0.3432,
0.3428

27.7763, 0.2164,
0.2587

73.7862, 0.3564,
0.3485

■ 25.3040, 0.2075,
0.2467

■ 76.9875, 0.3550,
0.3546

■ 23.1342, 0.2006,
0.2348

■ 80.3086, 0.3537,
0.3607

■ 21.2180, 0.1954,
0.2230

■ 83.7509, 0.3523,
0.3668

■ 21.1096, 0.1951,
0.2223

■ 87.3155, 0.3510,
0.3727

Harmonies

Analogous

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



45.5356, 0.2862, 0.3257



45.5356, 0.2830, 0.3128



45.5356, 0.2875, 0.3047

Triad

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



45.5356, 0.2830, 0.3128



45.5356, 0.3291, 0.3182



45.5356, 0.3264, 0.3562

Complementary

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



45.5356, 0.2830, 0.3128



42.9281, 0.3476, 0.3447

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.



45.5356, 0.3383, 0.3534



45.5356, 0.2830, 0.3128



45.5356, 0.3400, 0.3313

Square

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



45.5356, 0.2830, 0.3128



45.5356, 0.3139, 0.3080



45.5356, 0.3434, 0.3441



45.5356, 0.3110, 0.3514

Rectangle

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



45.5356, 0.2830, 0.3128



45.5356, 0.2944, 0.3028



45.5356, 0.3434, 0.3441



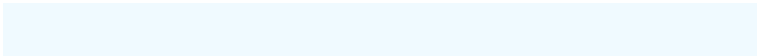
45.5356, 0.3309, 0.3561

Sweetspot

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



45.5375, 0.2830, 0.3128



94.1766, 0.3034, 0.3243



49.6221, 0.3022, 0.3655



20.0259, 0.3024, 0.3237



0.0000, 0.0000, 0.0000



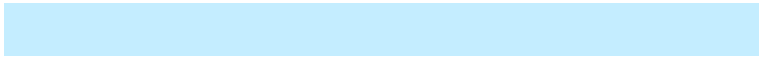
21.4041, 0.3127, 0.3290

Same Dimension

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



45.5375, 0.2830, 0.3128



79.2979, 0.2770, 0.3091



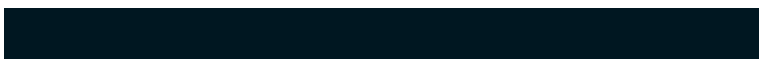
38.3634, 0.2815, 0.2871



10.8760, 0.2984, 0.3216



13.7239, 0.1956, 0.2239



0.7119, 0.2028, 0.2501

Inverse Universe

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



39.6347, 0.3257, 0.2958



66.9848, 0.3289, 0.2888



50.3358, 0.3433, 0.3677



10.1918, 0.3185, 0.3134



8.6677, 0.4190, 0.2082



0.3865, 0.3921, 0.1934

Previews

White Background



This preview shows how the Yxy color 45.5356, 0.2830, 0.3128 looks on a white background.

Color Contrast Check

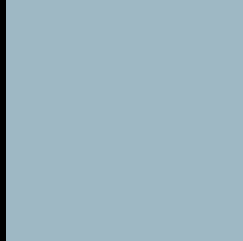
Large Text (above 18pt) WCAG AA × Fail

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 45.5356, 0.2830, 0.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

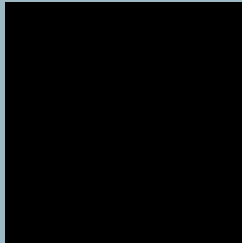
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

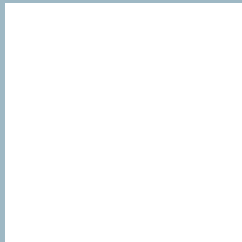
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5356, 0.2830, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 45.5356, 0.2830, 0.3128.

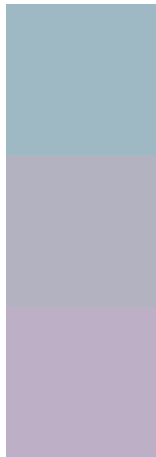


This preview shows how white text looks on a background with the Yxy color 45.5356, 0.2830, 0.3128.

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

45.5356, 0.2830, 0.3128

Protanopia

45.2748, 0.3017, 0.3095

Deuteranopia

45.4285, 0.3055, 0.3000



Tritanopia

45.6273, 0.2817, 0.3102

Trichromacy



Original Color

45.5356, 0.2830, 0.3128

Protanomaly

45.1955, 0.2944, 0.3105

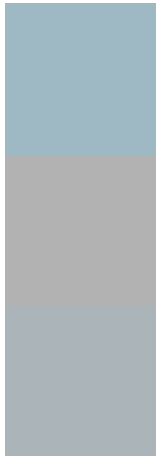
Deuteranomaly

45.2191, 0.2970, 0.3044

Tritanomaly

45.5813, 0.2823, 0.3115

Monochromacy



Original Color

45.5356, 0.2830, 0.3128

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.8032, 0.3012, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5356, 0.2830, 0.3128 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, 184, 196)` looks like.

```
.text, #text, p{  
    color:rgb(158, 184, 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, 184, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 184, 196) }
```

Border

The CSS property to change the border of an element to Yxy 45.5356, 0.2830, 0.3128 is called "border". The border property can be set on classes, ids or directly on the HTML element.

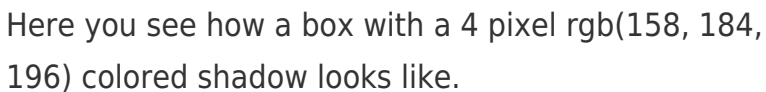
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 184, 196) }
```

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

```
.border{ border-color:rgb(158, 184, 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, 184, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 184, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 184, 196);  
box-shadow:4px 4px 4px 4px rgb(158, 184,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5356, 0.2830, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 184, 196) }
```

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

```
.background{ background-color: rgb(158,  
184, 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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