

Converting Colors

$Y_{xy}(45.0192, 0.2766, 0.3123)$

Have a look what the booklet for
Yxy(45.0192, 0.2766, 0.3123)
contains.

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Color

Yxy(45.2132, 0.2765, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	96B9C5
RGB	150, 185, 197
RGB Percent	59%, 73%, 77%
CMY	0.4119, 0.2745, 0.2273
CMYK	0.24, 0.06, 0.00, 0.23
HSL	195°, 29%, 68%
HSV	195°, 24%, 77%
XYZ	40.0046, 45.2132, 59.4644
YIQ	175.9030, -24.7120, -3.6880

Conversions

Conversions Part 2

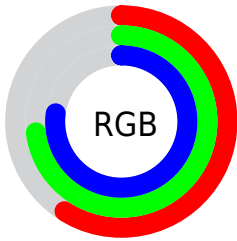
Format	Color
R_{YB}	150, 170, 197
Decimal	9877957
CIE _{Lab}	73.03, -9.05, -9.98
CIE _{LCh}	73, 13.469, 227.785
Yxy	45.2132, 0.2765, 0.3125
Android (android.graphics.Color)	4288068037 (0xFF96B9C5)
YUV	175.9030, 10.4008, -22.7169
Hunter-Lab	67.2408, -11.4734, -5.3646

Details

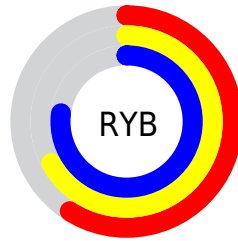
The Yxy color **45.2132, 0.2765, 0.3125** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9210, 0.3582, 0.3449**, and the grayscale version is **43.3170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0455, 0.2829, 0.3152**, and **21.0824, 0.2667, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **41.4298, 0.2620, 0.3045**, and if you desaturate by 10%, it is **49.3893, 0.2915, 0.3199**.

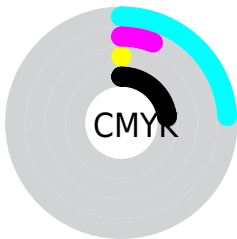
Distribution



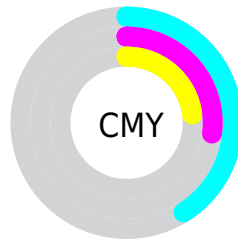
- Red (59%)
- Green (73%)
- Blue (77%)



- Red (59%)
- Yellow (67%)
- Blue (77%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (23%)





- Cyan (41%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2132, 0.2765, 0.3125 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 45.2132, 0.2765, 0.3125 by changing the saturation by 10% instead.


 45.2132, 0.2765,
0.3125

 45.2132, 0.2765,
0.3125


367.6363, 0.2945,
0.3210

 31.6254, 0.2721,
0.3103


 83.0402, 0.2830,
0.3156

 21.0755, 0.2664,
0.3075


 108.0483, 0.2855,
0.3168

 13.1792, 0.2588,
0.3036


137.6318, 0.2875,
0.3178

 7.5521, 0.2484,
0.2981

172.1753, 0.2893,
0.3186

 3.8097, 0.2331,
0.2896

212.0631, 0.2909,
0.3193

 1.5677, 0.2086,
0.2750

257.6796, 0.2922,

 0.3357, 0.0654,

0.3200

0.2238

309.4092, 0.2934,
0.3205

0.0000, 0.0000,
0.0000

45.2132, 0.2765,
0.3125

45.2132, 0.2765,
0.3125

41.4298, 0.2620,
0.3045

49.3893, 0.2915,
0.3199

38.0170, 0.2484,
0.2960

53.9679, 0.3068,
0.3266

34.9590, 0.2360,
0.2871

58.9652, 0.3220,
0.3326

32.2360, 0.2251,
0.2778

64.3950, 0.3370,
0.3381

29.8263, 0.2160,
0.2683

70.2702, 0.3516,
0.3429

■ 27.7047, 0.2088,
0.2587

■ 74.0131, 0.3556,
0.3477

■ 25.8410, 0.2035,
0.2493

■ 76.6223, 0.3545,
0.3528

■ 24.7942, 0.2010,
0.2435

■ 79.3112, 0.3534,
0.3578

■ 82.0806, 0.3523,
0.3627

Harmonies

Analogous

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



45.2132, 0.2826, 0.3293



45.2132, 0.2765, 0.3125



45.2132, 0.2797, 0.3009

Triad

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



45.2132, 0.2765, 0.3125



45.2132, 0.3284, 0.3123



45.2132, 0.3336, 0.3625

Complementary

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



45.2132, 0.2765, 0.3125



39.9210, 0.3582, 0.3449

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.



45.2132, 0.3466, 0.3567



45.2132, 0.2765, 0.3125



45.2132, 0.3436, 0.3276

Square

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



45.2132, 0.2765, 0.3125



45.2132, 0.3092, 0.3012



45.2132, 0.3504, 0.3437



45.2132, 0.3153, 0.3590

Rectangle

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



45.2132, 0.2765, 0.3125



45.2132, 0.2867, 0.2974



45.2132, 0.3504, 0.3437



45.2132, 0.3388, 0.3616

Sweetspot

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



45.2150, 0.2765, 0.3125



93.8928, 0.3019, 0.3245



49.0314, 0.3014, 0.3785



19.9880, 0.3009, 0.3241



0.0000, 0.0000, 0.0000



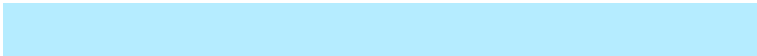
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2150, 0.2765, 0.3125



77.0936, 0.2684, 0.3081



36.2648, 0.2738, 0.2795



11.5906, 0.2984, 0.3230



16.4411, 0.2013, 0.2448



0.8899, 0.2068, 0.2644

Inverse Universe

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



37.1838, 0.3267, 0.2845



60.3895, 0.3307, 0.2738



48.8892, 0.3515, 0.3741



10.7685, 0.3176, 0.3120



9.1997, 0.3975, 0.1963



0.4469, 0.3782, 0.1857

Previews

White Background



This preview shows how the Yxy color 45.2132, 0.2765, 0.3125 looks on a white background.

Color Contrast Check

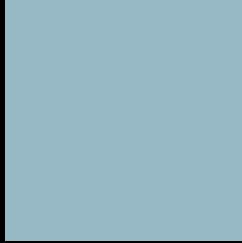
Large Text (above 18pt) WCAG AA × Fail

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 45.2132, 0.2765, 0.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

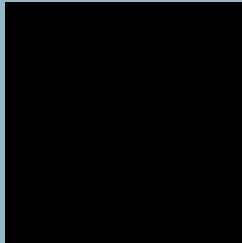
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

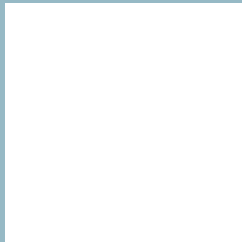
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2132, 0.2765, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 45.2132, 0.2765, 0.3125.

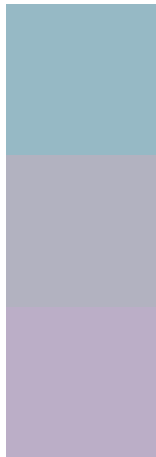


This preview shows how white text looks on a background with the Yxy color 45.2132, 0.2765, 0.3125.

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

45.2132, 0.2765, 0.3125

Protanopia

45.1115, 0.3017, 0.3107

Deuteranopia

44.9604, 0.3038, 0.2974



Tritanopia

45.3055, 0.2752, 0.3099

Trichromacy



Original Color

45.2132, 0.2765, 0.3125

Protanomaly

45.2676, 0.2920, 0.3117

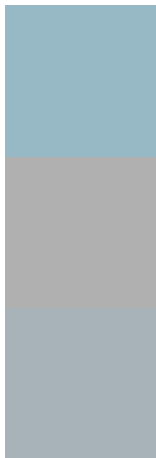
Deuteranomaly

44.9167, 0.2938, 0.3029

Tritanomaly

45.2592, 0.2759, 0.3112

Monochromacy



Original Color

45.2132, 0.2765, 0.3125

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.9164, 0.2987, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2132, 0.2765, 0.3125 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(150, 185, 197)` looks like.

```
.text, #text, p{  
    color:rgb(150, 185, 197)  
}
```

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(150, 185, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 185, 197) }
```

Border

The CSS property to change the border of an element to Yxy 45.2132, 0.2765, 0.3125 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(150, 185, 197) }
```

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

```
.border{ border-color:rgb(150, 185, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 185, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 185, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 185, 197);  
box-shadow:4px 4px 4px 4px rgb(150, 185,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2132, 0.2765, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 185, 197) }
```

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

```
.background{ background-color: rgb(150,  
185, 197) }
```

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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