

Converting Colors

$Y_{xy}(45.2595, 0.2756, 0.3107)$

Have a look what the booklet for
Yxy(45.2595, 0.2756, 0.3107)
contains.

Yxy(45.2592, 0.2759, 0.3112) 3

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Color

Yxy(45.2592, 0.2759, 0.3112)

Conversions

Conversions Part 1	
Format	Color
Hex	96B9C6
RGB	150, 185, 198
RGB Percent	59%, 73%, 78%
CMY	0.4116, 0.2745, 0.2235
CMYK	0.24, 0.07, 0.00, 0.22
HSL	196°, 30%, 68%
HSV	196°, 24%, 78%
XYZ	40.1254, 45.2592, 60.0499
YIQ	176.0170, -25.0330, -3.3770

Conversions

Conversions Part 2

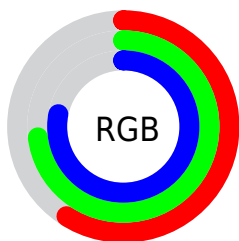
Format	Color
RYB	150, 170, 198
Decimal	9877958
CIELab	73.06, -8.80, -10.46
CIELCh	73, 13.670, 229.910
Yxy	45.2592, 0.2759, 0.3112
Android (android.graphics.Color)	4288068038 (0xFF96B9C6)
YUV	176.0170, 10.8376, -22.8169
Hunter-Lab	67.2750, -11.2669, -5.8300

Details

The Yxy color `45.2592, 0.2759, 0.3112` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `40.4227, 0.3588, 0.3461`, and the grayscale version is `43.3823, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.1097, 0.2823, 0.3142`, and `21.1128, 0.2658, 0.3063` is the 20% darker color. If you saturate the color by 10%, you get `41.3330, 0.2613, 0.3027`, and if you desaturate by 10%, it is `49.5914, 0.2910, 0.3190`.

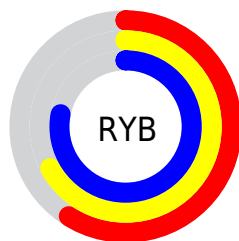
Distribution



Red (59%)

Green (73%)

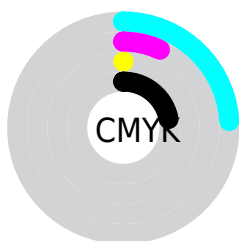
Blue (78%)



Red (59%)

Yellow (67%)

Blue (78%)

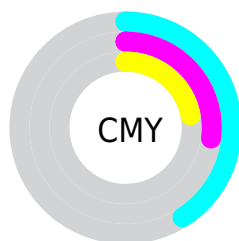


Cyan (24%)

Magenta (7%)

Yellow (0%)

Black (22%)



Cyan (41%)

Magenta (27%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2592, 0.2759, 0.3112 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 45.2592, 0.2759, 0.3112 by changing the saturation by 10% instead.


 45.2592, 0.2759,
0.3112


 45.2592, 0.2759,
0.3112

367.8223, 0.2942,
0.3203

 31.6616, 0.2714,
0.3088


 83.1092, 0.2825,
0.3146

 21.1032, 0.2656,
0.3058


 108.1305, 0.2850,
0.3158

 13.1994, 0.2580,
0.3016


137.7284, 0.2871,
0.3169

 7.5660, 0.2474,
0.2957

172.2875, 0.2889,
0.3178

 3.8185, 0.2320,
0.2867

212.1920, 0.2905,
0.3186

 1.5726, 0.2072,
0.2712


257.8264, 0.2919,


 0.3390, 0.0691,


0.3192


0.2183

309.5750, 0.2931,
0.3198

 0.0000, 0.0000,
0.0000

 45.2592, 0.2759,
0.3112


 45.2592, 0.2759,
0.3112


 41.3330, 0.2613,
0.3027

 49.5914, 0.2910,
0.3190

 37.7904, 0.2476,
0.2936


 54.3399, 0.3063,
0.3262


 34.6150, 0.2350,
0.2841

 59.5212, 0.3215,
0.3326

 31.7868, 0.2240,
0.2741

 65.1493, 0.3365,
0.3384

 29.2833, 0.2147,
0.2640

 71.2375, 0.3510,
0.3435

■ 27.0789, 0.2073,
0.2538

■ 75.0776, 0.3544,
0.3487

■ 25.1425, 0.2019,
0.2437

■ 77.8956, 0.3533,
0.3541

■ 24.1131, 0.1994,
0.2379

■ 80.8046, 0.3521,
0.3594

■ 83.8054, 0.3510,
0.3646

Harmonies

Analogous

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



45.2592, 0.2815, 0.3280



45.2592, 0.2759, 0.3112



45.2592, 0.2798, 0.3000

Triad

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



45.2592, 0.2759, 0.3112



45.2592, 0.3299, 0.3130



45.2592, 0.3327, 0.3631

Complementary

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



45.2592, 0.2759, 0.3112



40.4227, 0.3588, 0.3461

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.



45.2592, 0.3464, 0.3577



45.2592, 0.2759, 0.3112



45.2592, 0.3449, 0.3287

Square

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



45.2592, 0.2759, 0.3112



45.2592, 0.3106, 0.3014



45.2592, 0.3510, 0.3450



45.2592, 0.3139, 0.3588

Rectangle

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



45.2592, 0.2759, 0.3112



45.2592, 0.2873, 0.2968



45.2592, 0.3510, 0.3450



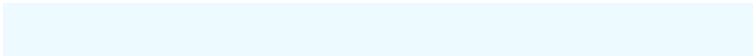
45.2592, 0.3381, 0.3623

Sweetspot

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



45.2610, 0.2759, 0.3112



93.7198, 0.3019, 0.3242



49.5170, 0.3007, 0.3781



19.9478, 0.3009, 0.3238



0.0000, 0.0000, 0.0000



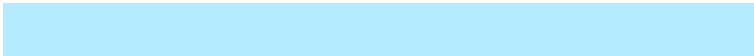
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2610, 0.2759, 0.3112



76.4321, 0.2682, 0.3069



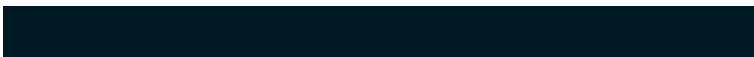
36.1365, 0.2731, 0.2775



11.5621, 0.2984, 0.3226



15.8284, 0.1998, 0.2393



0.8650, 0.2056, 0.2602

Inverse Universe

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



37.3348, 0.3276, 0.2847



60.3228, 0.3316, 0.2749



49.6716, 0.3519, 0.3757



10.7656, 0.3178, 0.3123



9.1379, 0.4030, 0.1994



0.4443, 0.3822, 0.1879

Previews

White Background



This preview shows how the Yxy color 45.2592, 0.2759, 0.3112 looks on a white background.

Color Contrast Check

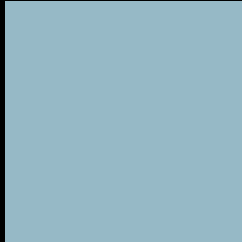
Large Text (above 18pt) WCAG AA × Fail

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 45.2592, 0.2759, 0.3112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

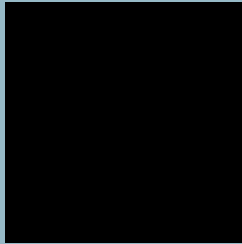
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

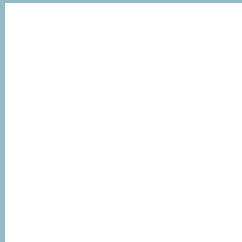
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2592, 0.2759, 0.3112

Background



This preview shows how black text looks on a background with the Yxy color 45.2592, 0.2759, 0.3112.

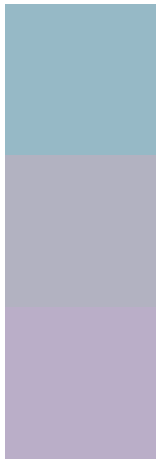


This preview shows how white text looks on a background with the Yxy color 45.2592, 0.2759, 0.3112.

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

45.2592, 0.2759, 0.3112

Protanopia

45.1560, 0.3009, 0.3095

Deuteranopia

44.8813, 0.3022, 0.2961



Tritanopia

45.3521, 0.2746, 0.3086

Trichromacy



Original Color

45.2592, 0.2759, 0.3112

Protanomaly

45.3127, 0.2913, 0.3104

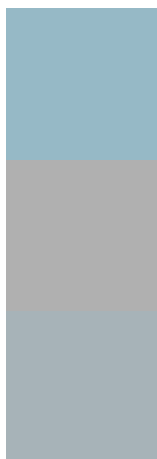
Deuteranomaly

44.8485, 0.2923, 0.3016

Tritanomaly

45.3055, 0.2752, 0.3099

Monochromacy



Original Color

45.2592, 0.2759, 0.3112

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 45.2592, 0.2759, 0.3112 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, 198) looks like.

```
.text, #text, p{  
    color:rgb(150, 185, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 185, 198) }
```

Border

The CSS property to change the border of an element to Yxy 45.2592, 0.2759, 0.3112 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, 198) }
```

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

```
.border{ border-color:rgb(150, 185, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 185, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 185, 198);  
box-shadow:4px 4px 4px 4px rgb(150, 185,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2592, 0.2759, 0.3112 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, 198) }
```

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

```
.background{ background-color: rgb(150,  
185, 198) }
```

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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