

Converting Colors

$Yxy(45.3537, 0.2680, 0.3106)$

Have a look what the booklet for
Yxy(45.3537, 0.2680, 0.3106)
contains.

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Color

Yxy(45.2862, 0.2679, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	8CBBC8
RGB	140, 187, 200
RGB Percent	55%, 73%, 78%
CMY	0.4509, 0.2667, 0.2157
CMYK	0.30, 0.06, 0.00, 0.22
HSL	193°, 35%, 67%
HSV	193°, 30%, 78%
XYZ	39.0102, 45.2862, 61.3184
YIQ	174.4290, -32.1850, -5.9210

Conversions

Conversions Part 2

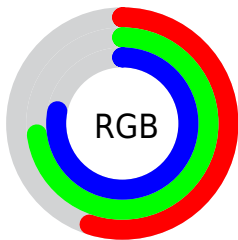
Format	Color
RYB	140, 166, 200
Decimal	9223112
CIELab	73.08, -12.39, -11.57
CIElCh	73, 16.953, 223.058
Yxy	45.2862, 0.2679, 0.3110
Android (android.graphics.Color)	4287413192 (0xFF8CBBC8)
YUV	174.4290, 12.6065, -30.1942
Hunter-Lab	67.2950, -14.2918, -6.9178

Details

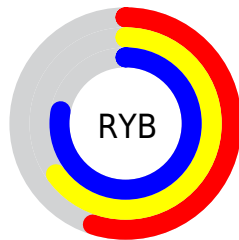
The Yxy color **45.2862, 0.2679, 0.3110** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.9504, 0.3742, 0.3462**, and the grayscale version is **42.5072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9233, 0.2768, 0.3161**, and **21.2002, 0.2560, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **41.8965, 0.2542, 0.3040**, and if you desaturate by 10%, it is **49.0506, 0.2824, 0.3175**.

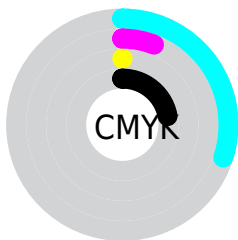
Distribution



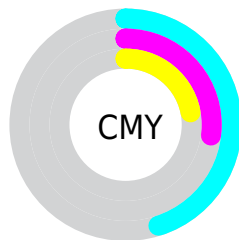
- Red (55%)
- Green (73%)
- Blue (78%)



- Red (55%)
- Yellow (65%)
- Blue (78%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (45%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2862, 0.2679, 0.3110 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 45.2862, 0.2679, 0.3110 by changing the saturation by 10% instead.

■ 45.2862, 0.2679,
0.3110

■ 45.2862, 0.2679,
0.3110

■ 367.9314, 0.2901,
0.3204

■ 31.6829, 0.2624,
0.3086

■ 83.1497, 0.2759,
0.3145

■ 21.1194, 0.2555,
0.3054

■ 108.1787, 0.2789,
0.3158

■ 13.2113, 0.2463,
0.3010

■ 137.7851, 0.2815,
0.3168

■ 7.5742, 0.2338,
0.2948

■ 172.3533, 0.2837,
0.3178

■ 3.8237, 0.2155,
0.2851

■ 212.2676, 0.2856,
0.3186

■ 1.5755, 0.1867,
0.2684

■ 257.9125, 0.2873,

■ 0.3410, 0.0139,

0.3192

0.2186

309.6723, 0.2888,
0.3198

0.0000, 0.0000,
0.0000

45.2862, 0.2679,
0.3110

45.2862, 0.2679,
0.3110

41.8965, 0.2542,
0.3040

49.0506, 0.2824,
0.3175

38.8586, 0.2418,
0.2966

53.2005, 0.2974,
0.3235

36.1548, 0.2308,
0.2890

57.7530, 0.3127,
0.3290

33.7640, 0.2215,
0.2811

62.7224, 0.3280,
0.3339

31.6619, 0.2141,
0.2731

68.1224, 0.3431,
0.3383

■ 29.8198, 0.2087,
0.2652

■ 73.0049, 0.3539,
0.3424

■ 28.1838, 0.2048,
0.2574

■ 75.2113, 0.3530,
0.3468

■ 28.1821, 0.2048,
0.2574

■ 77.4762, 0.3521,
0.3511

■ 79.8001, 0.3512,
0.3554

Harmonies

Analogous

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



45.2862, 0.2772, 0.3327



45.2862, 0.2679, 0.3110



45.2862, 0.2700, 0.2954

Triad

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



45.2862, 0.2679, 0.3110



45.2862, 0.3287, 0.3055



45.2862, 0.3421, 0.3709

Complementary

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



45.2862, 0.2679, 0.3110



36.9504, 0.3742, 0.3462

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.



45.2862, 0.3570, 0.3614



45.2862, 0.2679, 0.3110



45.2862, 0.3493, 0.3239

Square

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



45.2862, 0.2679, 0.3110



45.2862, 0.3044, 0.2930



45.2862, 0.3597, 0.3441



45.2862, 0.3196, 0.3686

Rectangle

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



45.2862, 0.2679, 0.3110



45.2862, 0.2777, 0.2901



45.2862, 0.3597, 0.3441



45.2862, 0.3482, 0.3689

Sweetspot

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



45.2880, 0.2679, 0.3110



92.7758, 0.2988, 0.3240



49.1449, 0.3007, 0.3979



19.6197, 0.2965, 0.3232



0.0000, 0.0000, 0.0000



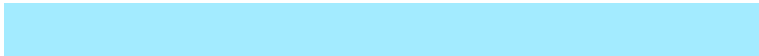
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2880, 0.2679, 0.3110



74.5194, 0.2589, 0.3065



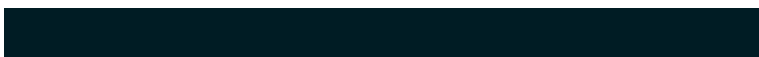
34.2003, 0.2632, 0.2690



11.6629, 0.2984, 0.3239



18.0579, 0.2051, 0.2585



0.9548, 0.2097, 0.2748

Inverse Universe

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



34.6244, 0.3287, 0.2699



53.5312, 0.3331, 0.2570



47.6237, 0.3636, 0.3825



10.7758, 0.3170, 0.3111



9.3629, 0.3839, 0.1888



0.4534, 0.3683, 0.1802

Previews

White Background



This preview shows how the Yxy color 45.2862, 0.2679, 0.3110 looks on a white background.

Color Contrast Check

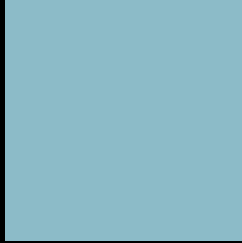
Large Text (above 18pt) WCAG AA × Fail

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 45.2862, 0.2679, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

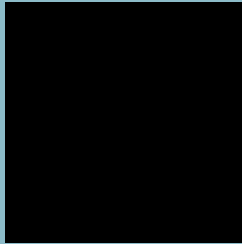
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

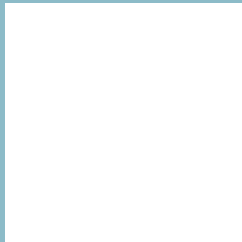
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2862, 0.2679, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 45.2862, 0.2679, 0.3110.

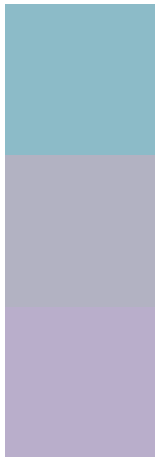


This preview shows how white text looks on a background with the Yxy color 45.2862, 0.2679, 0.3110.

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

45.2862, 0.2679, 0.3110

Protanopia

45.2008, 0.3001, 0.3082

Deuteranopia

44.8982, 0.2990, 0.2924



Tritanopia

45.3804, 0.2666, 0.3083

Trichromacy



Original Color

45.2862, 0.2679, 0.3110

Protanomaly

44.9258, 0.2874, 0.3089

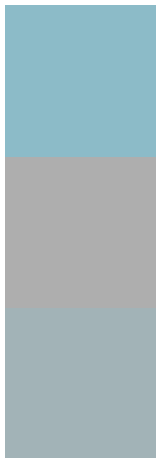
Deuteranomaly

44.9395, 0.2869, 0.2989

Tritanomaly

45.3331, 0.2673, 0.3096

Monochromacy



Original Color

45.2862, 0.2679, 0.3110

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.3405, 0.2953, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2862, 0.2679, 0.3110 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(140, 187, 200)` looks like.

```
.text, #text, p{  
    color:rgb(140, 187, 200)  
}
```

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(140, 187, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 187, 200) }
```

Border

The CSS property to change the border of an element to Yxy 45.2862, 0.2679, 0.3110 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(140, 187, 200) }
```

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

```
.border{ border-color:rgb(140, 187, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 187, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 187, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 187, 200);  
box-shadow:4px 4px 4px 4px rgb(140, 187,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2862, 0.2679, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 187, 200) }
```

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

```
.background{ background-color: rgb(140,  
187, 200) }
```

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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