

Converting Colors

$Yxy(58.8001, 0.2677, 0.3125)$

Have a look what the booklet for
Yxy(58.8001, 0.2677, 0.3125)
contains.

Yxy(58.5429, 0.2672, 0.3115)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.5429, 0.2672, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	9CD2E0
RGB	156, 210, 224
RGB Percent	61%, 82%, 88%
CMY	0.3881, 0.1765, 0.1215
CMYK	0.30, 0.06, 0.00, 0.12
HSL	192°, 52%, 75%
HSV	192°, 30%, 88%
XYZ	50.2172, 58.5429, 79.1786
YIQ	195.4500, -36.6780, -7.0940

Conversions

Conversions Part 2

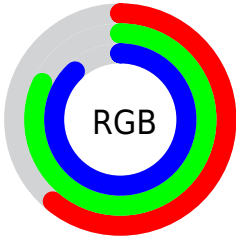
Format	Color
RYB	156, 186, 224
Decimal	10277600
CIELab	81.04, -14.06, -12.54
CIELCh	81, 18.843, 221.725
Yxy	58.5429, 0.2672, 0.3115
Android (android.graphics.Color)	4288467680 (0xFF9CD2E0)
YUV	195.4500, 14.0752, -34.5976
Hunter-Lab	76.5133, -16.7452, -7.7960

Details

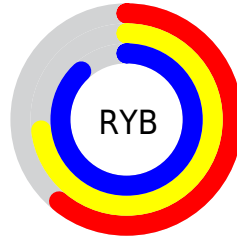
The Yxy color **58.5429, 0.2672, 0.3115** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.0184, 0.3760, 0.3457**, and the grayscale version is **54.7921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **29.1320, 0.2555, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **54.2647, 0.2536, 0.3048**, and if you desaturate by 10%, it is **63.3037, 0.2817, 0.3178**.

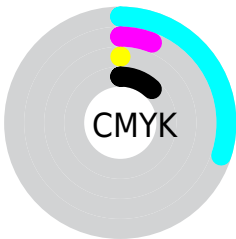
Distribution



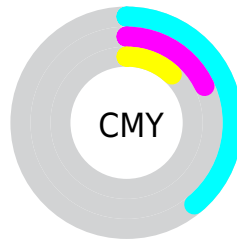
- Red (61%)
- Green (82%)
- Blue (88%)



- Red (61%)
- Yellow (73%)
- Blue (88%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (12%)





- Cyan (39%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5429, 0.2672, 0.3115 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 58.5429, 0.2672, 0.3115 by changing the saturation by 10% instead.

 58.5429, 0.2672,
0.3115

 58.5429, 0.2672,
0.3115


419.2059, 0.2887,
0.3203

 42.2453, 0.2622,
0.3093


 102.7130, 0.2748,
0.3147

 29.2934, 0.2559,
0.3066


 131.3543, 0.2777,
0.3159

 19.3029, 0.2479,
0.3029


164.8789, 0.2802,
0.3169

 11.8893, 0.2373,
0.2979

203.6713, 0.2823,
0.3177

 6.6684, 0.2226,
0.2905

248.1157, 0.2842,
0.3185

 3.2556, 0.2010,
0.2789

298.5967, 0.2859,

 1.2666, 0.1669,

0.3192

0.2583

355.4986, 0.2874,
0.3197

0.1151, 0.0000,
0.1030

0.0000, 0.0000,
0.0000

58.5429, 0.2672,
0.3115

58.5429, 0.2672,
0.3115

54.2647, 0.2536,
0.3048

63.3037, 0.2817,
0.3178

50.4388, 0.2412,
0.2977

68.5616, 0.2968,
0.3236

47.0422, 0.2304,
0.2904

74.3390, 0.3122,
0.3288

44.0465, 0.2214,
0.2828

80.6546, 0.3276,
0.3336

■ 41.4196, 0.2143,
0.2752

■ 84.9683, 0.3337,
0.3381

■ 39.1231, 0.2091,
0.2677

■ 87.6185, 0.3331,
0.3426

■ 37.1551, 0.2057,
0.2605

■ 90.3377, 0.3325,
0.3471

■ 93.1263, 0.3319,
0.3515

■ 95.9848, 0.3314,
0.3559

Harmonies

Analogous

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



58.5429, 0.2771, 0.3338



58.5429, 0.2672, 0.3115



58.5429, 0.2688, 0.2952

Triad

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



58.5429, 0.2672, 0.3115



58.5429, 0.3280, 0.3043



58.5429, 0.3435, 0.3715

Complementary

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



58.5429, 0.2672, 0.3115



47.0184, 0.3760, 0.3457

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.



58.5429, 0.3583, 0.3614



58.5429, 0.2672, 0.3115



58.5429, 0.3493, 0.3228

Square

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



58.5429, 0.2672, 0.3115



58.5429, 0.3032, 0.2919



58.5429, 0.3605, 0.3435



58.5429, 0.3208, 0.3698

Rectangle

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



58.5429, 0.2672, 0.3115



58.5429, 0.2763, 0.2895



58.5429, 0.3605, 0.3435



58.5429, 0.3496, 0.3693

Sweetspot

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



58.5452, 0.2672, 0.3115



92.9227, 0.2988, 0.3243



63.2755, 0.3004, 0.3994



19.6561, 0.2965, 0.3235



0.0000, 0.0000, 0.0000



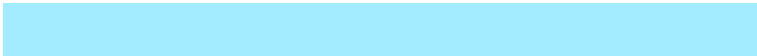
21.4041, 0.3127, 0.3290

Same Dimension

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



58.5452, 0.2672, 0.3115



75.0622, 0.2590, 0.3076



43.6733, 0.2622, 0.2677



15.0674, 0.2982, 0.3241



21.7950, 0.2060, 0.2616



1.6331, 0.2092, 0.2732

Inverse Universe

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



44.2914, 0.3285, 0.2681



53.5860, 0.3323, 0.2561



61.2539, 0.3647, 0.3835



13.8847, 0.3169, 0.3106



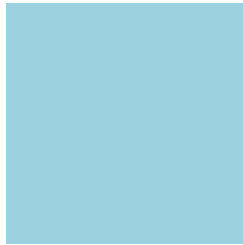
11.1083, 0.3808, 0.1872



0.7823, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 58.5429, 0.2672, 0.3115 looks on a white background.

Color Contrast Check

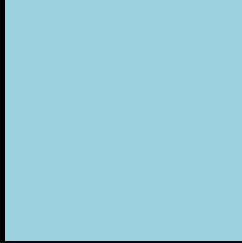
Large Text (above 18pt) WCAG AA × Fail

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 58.5429, 0.2672, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

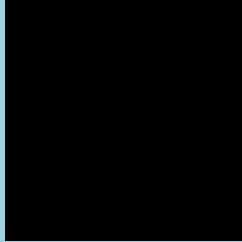
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5429, 0.2672, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 58.5429, 0.2672, 0.3115.



This preview shows how white text looks on a background with the Yxy color 58.5429, 0.2672, 0.3115.

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

58.5429, 0.2672, 0.3115

Protanopia

57.9987, 0.3000, 0.3079

Deuteranopia

57.9862, 0.2998, 0.2927



Tritanopia

58.7523, 0.2667, 0.3091

Trichromacy



Original Color

58.5429, 0.2672, 0.3115

Protanomaly

57.9465, 0.2865, 0.3085

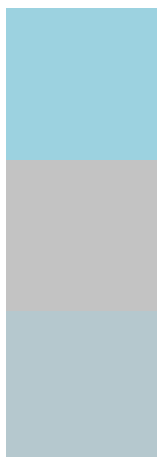
Deuteranomaly

57.6184, 0.2867, 0.2983

Tritanomaly

58.6975, 0.2672, 0.3103

Monochromacy



Original Color

58.5429, 0.2672, 0.3115

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

55.5885, 0.2941, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5429, 0.2672, 0.3115 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(156, 210, 224)` looks like.

```
.text, #text, p{  
    color:rgb(156, 210, 224)  
}
```

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(156, 210, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 210, 224) }
```

Border

The CSS property to change the border of an element to Yxy 58.5429, 0.2672, 0.3115 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(156, 210, 224) }
```

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

```
.border{ border-color:rgb(156, 210, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 210, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 210, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 210, 224);  
box-shadow:4px 4px 4px 4px rgb(156, 210,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5429, 0.2672, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 210, 224) }
```

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

```
.background{ background-color: rgb(156,  
210, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor