

Converting Colors

$Y_{xy}(58.1905, 0.2604, 0.3101)$

Have a look what the booklet for
Yxy(58.1905, 0.2604, 0.3101)
contains.

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Color

Yxy(58.1905, 0.2604, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	92D3E2
RGB	146, 211, 226
RGB Percent	57%, 83%, 89%
CMY	0.4277, 0.1725, 0.1138
CMYK	0.35, 0.07, 0.00, 0.11
HSL	191°, 58%, 73%
HSV	191°, 35%, 89%
XYZ	48.8643, 58.1905, 80.5960
YIQ	193.2750, -43.5550, -9.1150

Conversions

Conversions Part 2

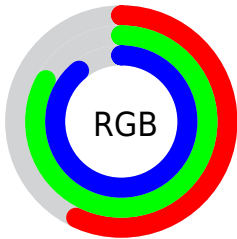
Format	Color
RYB	146, 182, 226
Decimal	9622498
CIELab	80.84, -16.89, -13.94
CIElCh	81, 21.899, 219.550
Yxy	58.1905, 0.2604, 0.3101
Android (android.graphics.Color)	4287812578 (0xFF92D3E2)
YUV	193.2750, 16.1334, -41.4602
Hunter-Lab	76.2827, -19.1533, -9.2446

Details

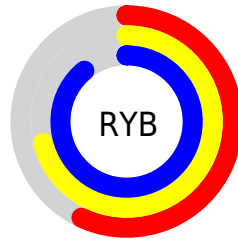
The Yxy color **58.1905, 0.2604, 0.3101** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6927, 0.3911, 0.3469**, and the grayscale version is **53.4134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **28.9414, 0.2470, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **54.2518, 0.2476, 0.3039**, and if you desaturate by 10%, it is **62.5982, 0.2743, 0.3160**.

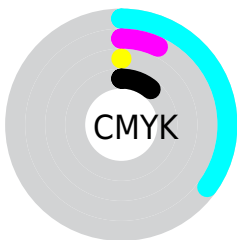
Distribution



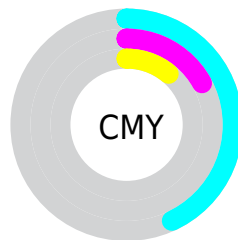
- Red (57%)
- Green (83%)
- Blue (89%)



- Red (57%)
- Yellow (71%)
- Blue (89%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)





- Cyan (43%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1905, 0.2604, 0.3101 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 58.1905, 0.2604, 0.3101 by changing the saturation by 10% instead.


 58.1905, 0.2604,
0.3101


 58.1905, 0.2604,
0.3101


417.8954, 0.2851,
0.3197

 41.9618, 0.2546,
0.3077


 102.2002, 0.2691,
0.3136

 29.0714, 0.2475,
0.3046


 130.7500, 0.2724,
0.3149

 19.1348, 0.2384,
0.3006


164.1757, 0.2753,
0.3160

 11.7677, 0.2263,
0.2950

202.8616, 0.2778,
0.3169

 6.5857, 0.2097,
0.2868

247.1921, 0.2799,
0.3178

 3.2044, 0.1857,
0.2737

297.5517, 0.2819,

 1.2394, 0.1475,

0.3185

0.2508

354.3246, 0.2836,
0.3191

0.0935, 0.0000,
0.0796

0.0000, 0.0000,
0.0000

58.1905, 0.2604,
0.3101

58.1905, 0.2604,
0.3101

54.2518, 0.2476,
0.3039

62.5982, 0.2743,
0.3160

50.7505, 0.2362,
0.2973

67.4908, 0.2891,
0.3215

47.6618, 0.2265,
0.2906

72.8914, 0.3043,
0.3265

44.9550, 0.2188,
0.2838

78.8200, 0.3198,
0.3310

■ 42.5944, 0.2129,
0.2770

■ 84.5434, 0.3325,
0.3352

■ 40.5365, 0.2090,
0.2703

■ 86.9525, 0.3320,
0.3393

■ 39.6627, 0.2076,
0.2672

■ 89.4191, 0.3315,
0.3434

■ 91.9436, 0.3309,
0.3475

■ 94.5266, 0.3305,
0.3516

Harmonies

Analogous

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



58.1905, 0.2727, 0.3365



58.1905, 0.2604, 0.3101



58.1905, 0.2613, 0.2906

Triad

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



58.1905, 0.2604, 0.3101



58.1905, 0.3283, 0.2991



58.1905, 0.3501, 0.3781

Complementary

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



58.1905, 0.2604, 0.3101



43.6927, 0.3911, 0.3469

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.



58.1905, 0.3665, 0.3652



58.1905, 0.2604, 0.3101



58.1905, 0.3538, 0.3200

Square

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



58.1905, 0.2604, 0.3101



58.1905, 0.2995, 0.2855



58.1905, 0.3680, 0.3438



58.1905, 0.3240, 0.3775

Rectangle

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



58.1905, 0.2604, 0.3101



58.1905, 0.2693, 0.2837



58.1905, 0.3680, 0.3438



58.1905, 0.3570, 0.3751

Sweetspot

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



58.1928, 0.2604, 0.3101



91.7626, 0.2957, 0.3237



63.0483, 0.2993, 0.4154



19.4362, 0.2936, 0.3230



0.0000, 0.0000, 0.0000



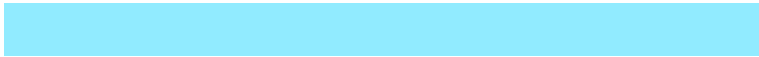
21.4041, 0.3127, 0.3290

Same Dimension

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



58.1928, 0.2604, 0.3101



72.4034, 0.2502, 0.3052



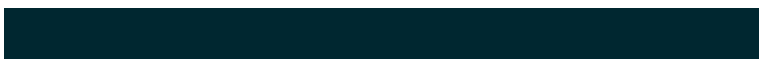
40.8267, 0.2532, 0.2572



15.1139, 0.2982, 0.3245



22.7948, 0.2079, 0.2683



1.6941, 0.2107, 0.2786

Inverse Universe

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



41.4066, 0.3303, 0.2562



47.5873, 0.3353, 0.2405



59.8423, 0.3751, 0.3914



13.8894, 0.3166, 0.3101



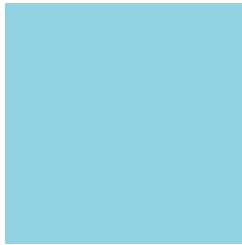
11.2092, 0.3745, 0.1837



0.7885, 0.3647, 0.1783

Previews

White Background



This preview shows how the Yxy color 58.1905, 0.2604, 0.3101 looks on a white background.

Color Contrast Check

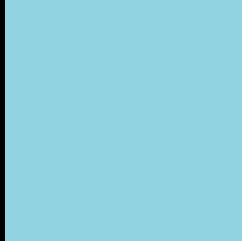
Large Text (above 18pt) WCAG AA × Fail

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 58.1905, 0.2604, 0.3101 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 58.1905, 0.2604, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 58.1905, 0.2604, 0.3101.



This preview shows how white text looks on a background with the Yxy color 58.1905, 0.2604, 0.3101.

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

58.1905, 0.2604, 0.3101

Protanopia

57.9146, 0.2985, 0.3067

Deuteranopia

57.6665, 0.2962, 0.2903



Tritanopia

58.3010, 0.2594, 0.3076

Trichromacy



Original Color

58.1905, 0.2604, 0.3101

Protanomaly

57.5160, 0.2831, 0.3072

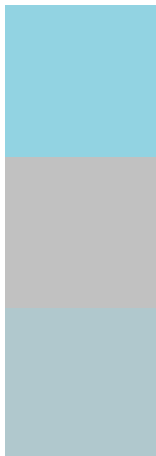
Deuteranomaly

57.5651, 0.2820, 0.2970

Tritanomaly

58.2456, 0.2599, 0.3088

Monochromacy



Original Color

58.1905, 0.2604, 0.3101

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

54.9464, 0.2912, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1905, 0.2604, 0.3101 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(146, 211, 226)` looks like.

```
.text, #text, p{  
    color:rgb(146, 211, 226)  
}
```

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(146, 211, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 211, 226) }
```

Border

The CSS property to change the border of an element to Yxy 58.1905, 0.2604, 0.3101 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(146, 211, 226) }
```

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

```
.border{ border-color:rgb(146, 211, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 211, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 211, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 211, 226);  
box-shadow:4px 4px 4px 4px rgb(146, 211,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1905, 0.2604, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 211, 226) }
```

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

```
.background{ background-color: rgb(146,  
211, 226) }
```

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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