

Converting Colors

$Yxy(58.1737, 0.2614, 0.3065)$

Have a look what the booklet for
Yxy(58.1737, 0.2614, 0.3065)
contains.

Yxy(58.1787, 0.2614, 0.3065)	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(58.1787, 0.2614, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	96D2E4
RGB	150, 210, 228
RGB Percent	59%, 82%, 89%
CMY	0.4121, 0.1764, 0.1058
CMYK	0.34, 0.08, 0.00, 0.11
HSL	194°, 59%, 74%
HSV	194°, 34%, 89%
XYZ	49.6180, 58.1787, 82.0196
YIQ	194.1120, -41.5380, -7.1220

Conversions

Conversions Part 2

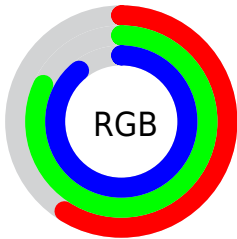
Format	Color
RYB	150, 184, 228
Decimal	9884388
CIELab	80.84, -14.81, -15.01
CIElCh	81, 21.089, 225.396
Yxy	58.1787, 0.2614, 0.3065
Android (android.graphics.Color)	4288074468 (0xFF96D2E4)
YUV	194.1120, 16.7068, -38.6862
Hunter-Lab	76.2750, -17.3643, -10.3630

Details

The Yxy color **58.1787, 0.2614, 0.3065** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.6694, 0.3863, 0.3502**, and the grayscale version is **53.9287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **28.9466, 0.2486, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **53.6736, 0.2480, 0.2988**, and if you desaturate by 10%, it is **63.1943, 0.2758, 0.3137**.

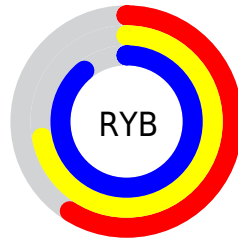
Distribution



Red (59%)

Green (82%)

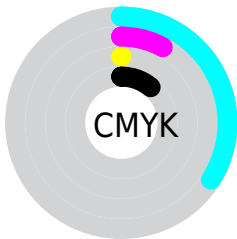
Blue (89%)



Red (59%)

Yellow (72%)

Blue (89%)

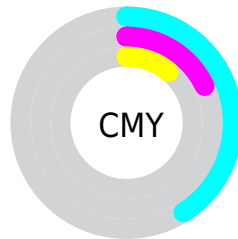


Cyan (34%)

Magenta (8%)

Yellow (0%)

Black (11%)



Cyan (41%)


Magenta (18%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1787, 0.2614, 0.3065 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 58.1787, 0.2614, 0.3065 by changing the saturation by 10% instead.


 58.1787, 0.2614,
0.3065


 58.1787, 0.2614,
0.3065


417.8515, 0.2856,
0.3177

 41.9523, 0.2558,
0.3037


 102.1830, 0.2699,
0.3106

 29.0640, 0.2487,
0.3002


 130.7298, 0.2732,
0.3121

 19.1292, 0.2398,
0.2955

164.1521, 0.2760,
0.3134

 11.7637, 0.2280,
0.2892

202.8345, 0.2784,
0.3145

 6.5830, 0.2117,
0.2799

247.1612, 0.2806,
0.3155

 3.2027, 0.1881,
0.2655

297.5166, 0.2825,

 1.2384, 0.1512,

0.3163

0.2405

354.2853, 0.2841,
0.3171

0.0928, 0.0000,
0.0739

0.0000, 0.0000,
0.0000

58.1787, 0.2614,
0.3065

58.1787, 0.2614,
0.3065

53.6736, 0.2480,
0.2988

63.1943, 0.2758,
0.3137

49.6468, 0.2359,
0.2907

68.7369, 0.2908,
0.3205

46.0727, 0.2254,
0.2823

74.8305, 0.3062,
0.3266

42.9201, 0.2168,
0.2737

81.4954, 0.3216,
0.3321

■ 40.1529, 0.2101,
0.2651

■ 87.0178, 0.3306,
0.3372

■ 37.7273, 0.2054,
0.2566

■ 90.0926, 0.3301,
0.3423

■ 36.4469, 0.2033,
0.2518

■ 93.2572, 0.3295,
0.3474

■ 96.5123, 0.3289,
0.3524

■ 98.3820, 0.3286,
0.3552

Harmonies

Analogous

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



58.1787, 0.2709, 0.3311



58.1787, 0.2614, 0.3065



58.1787, 0.2648, 0.2896

Triad

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



58.1787, 0.2614, 0.3065



58.1787, 0.3331, 0.3037



58.1787, 0.3444, 0.3773

Complementary

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



58.1787, 0.2614, 0.3065



46.6694, 0.3863, 0.3502

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.



58.1787, 0.3625, 0.3672



58.1787, 0.2614, 0.3065



58.1787, 0.3560, 0.3248

Square

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



58.1787, 0.2614, 0.3065



58.1787, 0.3053, 0.2889



58.1787, 0.3669, 0.3477



58.1787, 0.3183, 0.3737

Rectangle

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



58.1787, 0.2614, 0.3065



58.1787, 0.2741, 0.2843



58.1787, 0.3669, 0.3477



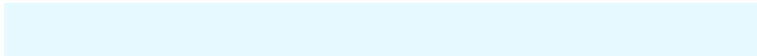
58.1787, 0.3516, 0.3753

Sweetspot

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



58.1810, 0.2614, 0.3065



91.7888, 0.2972, 0.3231



64.7534, 0.2982, 0.4085



19.4122, 0.2950, 0.3222



0.0000, 0.0000, 0.0000



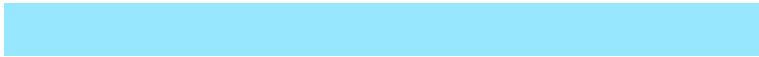
21.4041, 0.3127, 0.3290

Same Dimension

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



58.1810, 0.2614, 0.3065



70.8486, 0.2519, 0.3011



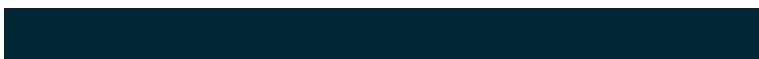
41.6022, 0.2548, 0.2565



15.7437, 0.2981, 0.3235



21.2317, 0.2036, 0.2531



1.7065, 0.2071, 0.2654

Inverse Universe

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



42.9381, 0.3328, 0.2620



48.9811, 0.3381, 0.2485



62.7828, 0.3718, 0.3921



14.5554, 0.3173, 0.3111



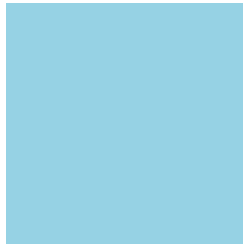
11.3411, 0.3892, 0.1918



0.8519, 0.3772, 0.1851

Previews

White Background



This preview shows how the Yxy color 58.1787, 0.2614, 0.3065 looks on a white background.

Color Contrast Check

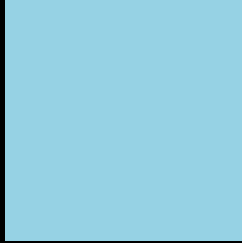
Large Text (above 18pt) WCAG AA × Fail

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 58.1787, 0.2614, 0.3065 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 58.1787, 0.2614, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 58.1787, 0.2614, 0.3065.

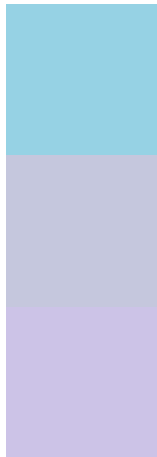


This preview shows how white text looks on a background with the Yxy color 58.1787, 0.2614, 0.3065.

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

58.1787, 0.2614, 0.3065

Protanopia

57.9376, 0.2957, 0.3033

Deuteranopia

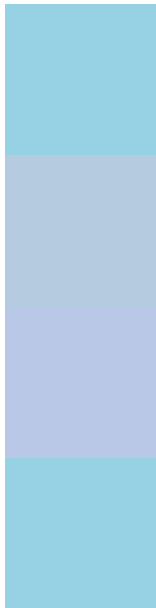
57.6371, 0.2941, 0.2880



Tritanopia

58.1233, 0.2620, 0.3077

Trichromacy



Original Color

58.1787, 0.2614, 0.3065

Protanomaly

57.7970, 0.2819, 0.3037

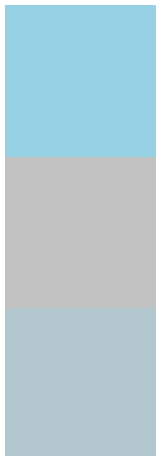
Deuteranomaly

57.2121, 0.2806, 0.2935

Tritanomaly

58.1233, 0.2620, 0.3077

Monochromacy



Original Color

58.1787, 0.2614, 0.3065

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.2298, 0.2919, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1787, 0.2614, 0.3065 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, 210, 228)` looks like.

```
.text, #text, p{  
    color:rgb(150, 210, 228)  
}
```

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, 210, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 210, 228) }
```

Border

The CSS property to change the border of an element to Yxy 58.1787, 0.2614, 0.3065 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, 210, 228) }
```

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

```
.border{ border-color:rgb(150, 210, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 210, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 210, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 210, 228);  
box-shadow:4px 4px 4px 4px rgb(150, 210,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1787, 0.2614, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 210, 228) }
```

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

```
.background{ background-color: rgb(150,  
210, 228) }
```

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