

Converting Colors

$Y_{xy}(58.8209, 0.2508, 0.3014)$

Have a look what the booklet for
Yxy(58.8209, 0.2508, 0.3014)
contains.

Yxy(58.8209, 0.2508, 0.3014)	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(58.8209, 0.2508, 0.3014)

Conversions

Conversions Part 1

Format	Color
Hex	88D5EB
RGB	136, 213, 235
RGB Percent	53%, 84%, 92%
CMY	0.4667, 0.1647, 0.0783
CMYK	0.42, 0.09, 0.00, 0.08
HSL	193°, 71%, 73%
HSV	193°, 42%, 92%
XYZ	48.9459, 58.8209, 87.3922
YIQ	192.4850, -52.9540, -9.4820

Conversions

Conversions Part 2

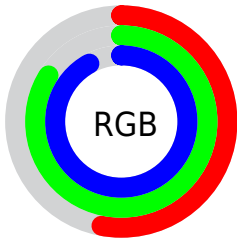
Format	Color
R _Y B	136, 179, 235
Decimal	8967659
CIE Lab	81.19, -18.16, -18.29
CIE LCh	81, 25.779, 225.200
Yxy	58.8209, 0.2508, 0.3014
Android (android.graphics.Color)	4287157739 (0xFF88D5EB)
YUV	192.4850, 20.9599, -49.5373
Hunter-Lab	76.6948, -20.2989, -13.8734

Details

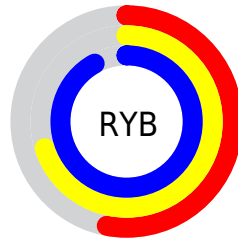
The Yxy color **58.8209, 0.2508, 0.3014** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.9086, 0.4111, 0.3543**, and the grayscale version is **52.9108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **29.3707, 0.2358, 0.2936** is the 20% darker color. If you saturate the color by 10%, you get **54.4784, 0.2385, 0.2936**, and if you desaturate by 10%, it is **63.6841, 0.2644, 0.3088**.

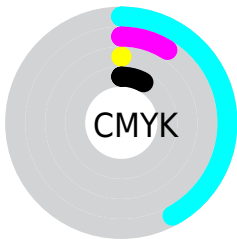
Distribution



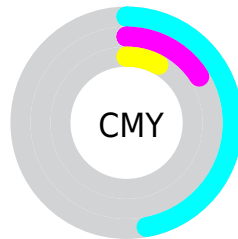
- Red (53%)
- Green (84%)
- Blue (92%)



- Red (53%)
- Yellow (70%)
- Blue (92%)



- Cyan (42%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)





- Cyan (47%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8209, 0.2508, 0.3014 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 58.8209, 0.2508, 0.3014 by changing the saturation by 10% instead.


 58.8209, 0.2508,
0.3014


 58.8209, 0.2508,
0.3014

420.2379, 0.2798,
0.3152


 42.4690, 0.2441,
0.2980


 103.1173, 0.2609,
0.3064

 29.4687, 0.2358,
0.2936


 131.8306, 0.2648,
0.3083

 19.4357, 0.2253,
0.2879


 165.4331, 0.2682,
0.3099

 11.9855, 0.2116,
0.2801

204.3092, 0.2711,
0.3113

 6.7338, 0.1931,
0.2689

248.8434, 0.2737,
0.3124

 3.2962, 0.1667,
0.2516

299.4199, 0.2760,

 1.2882, 0.1268,

0.3135

0.2225

356.4233, 0.2780,
0.3144

0.1321, 0.0000,
0.0810

0.0000, 0.0000,
0.0000

58.8209, 0.2508,
0.3014

58.8209, 0.2508,
0.3014

54.4784, 0.2385,
0.2936

63.6841, 0.2644,
0.3088

50.6206, 0.2277,
0.2856

69.0880, 0.2789,
0.3157

47.2170, 0.2188,
0.2774

75.0594, 0.2940,
0.3220

44.2300, 0.2119,
0.2691

81.6213, 0.3094,
0.3278

■ 41.6146, 0.2069,
0.2609

■ 88.7954, 0.3249,
0.3331

■ 39.7630, 0.2040,
0.2545

■ 92.1839, 0.3254,
0.3381

■ 95.3813, 0.3249,
0.3432

■ 98.6688, 0.3244,
0.3481

■ 98.7798, 0.3244,
0.3483

Harmonies

Analogous

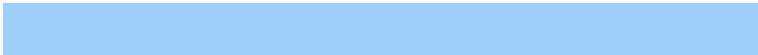
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.8209, 0.2622, 0.3315



58.8209, 0.2508, 0.3014



58.8209, 0.2548, 0.2811

Triad

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



58.8209, 0.2508, 0.3014



58.8209, 0.3372, 0.2983



58.8209, 0.3512, 0.3880

Complementary

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



58.8209, 0.2508, 0.3014



43.9086, 0.4111, 0.3543

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.



58.8209, 0.3734, 0.3749



58.8209, 0.2508, 0.3014



58.8209, 0.3654, 0.3234

Square

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



58.8209, 0.2508, 0.3014



58.8209, 0.3032, 0.2806



58.8209, 0.3789, 0.3510



58.8209, 0.3194, 0.3842

Rectangle

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



58.8209, 0.2508, 0.3014



58.8209, 0.2658, 0.2750



58.8209, 0.3789, 0.3510



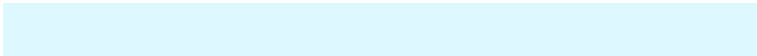
58.8209, 0.3601, 0.3852

Sweetspot

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



58.8232, 0.2508, 0.3014



89.6309, 0.2926, 0.3215



67.1177, 0.2953, 0.4309



18.8339, 0.2892, 0.3201



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.



58.8232, 0.2508, 0.3014



66.0075, 0.2395, 0.2944



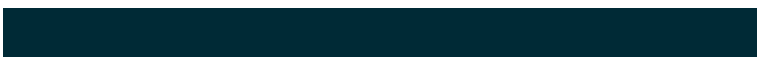
37.8064, 0.2400, 0.2361



16.5204, 0.2981, 0.3236



22.3221, 0.2044, 0.2558



1.8925, 0.2075, 0.2671

Inverse Universe

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



40.0800, 0.3381, 0.2460



41.4095, 0.3453, 0.2295



64.0565, 0.3874, 0.4067



15.2531, 0.3172, 0.3109



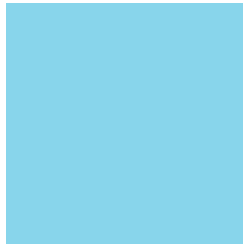
11.7462, 0.3865, 0.1903



0.9365, 0.3756, 0.1843

Previews

White Background



This preview shows how the Yxy color 58.8209, 0.2508, 0.3014 looks on a white background.

Color Contrast Check

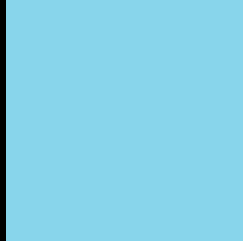
Large Text (above 18pt) WCAG AA × Fail

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 58.8209, 0.2508, 0.3014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

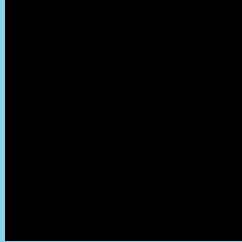
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8209, 0.2508, 0.3014

Background



This preview shows how black text looks on a background with the Yxy color 58.8209, 0.2508, 0.3014.



This preview shows how white text looks on a background with the Yxy color 58.8209, 0.2508, 0.3014.

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

58.8209, 0.2508, 0.3014

Protanopia

58.2082, 0.2924, 0.2977

Deuteranopia

58.2684, 0.2873, 0.2805



Tritanopia

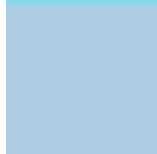
59.0136, 0.2525, 0.3075

Trichromacy



Original Color

58.8209, 0.2508, 0.3014



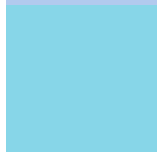
Protanomaly

57.9568, 0.2755, 0.2989



Deuteranomaly

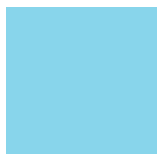
57.8791, 0.2719, 0.2866



Tritanomaly

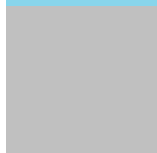
59.0702, 0.2520, 0.3063

Monochromacy



Original Color

58.8209, 0.2508, 0.3014



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

54.6333, 0.2863, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8209, 0.2508, 0.3014 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(136, 213, 235)` looks like.

```
.text, #text, p{  
    color:rgb(136, 213, 235)  
}
```

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(136, 213, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 213, 235) }
```

Border

The CSS property to change the border of an element to Yxy 58.8209, 0.2508, 0.3014 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(136, 213, 235) }
```

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

```
.border{ border-color:rgb(136, 213, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 213, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 213, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 213, 235); box-shadow:4px 4px 4px 4px rgb(136, 213, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8209, 0.2508, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 213, 235) }
```

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

```
.background{ background-color: rgb(136,  
213, 235) }
```

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