

Converting Colors

$Yxy(58.3931, 0.2477, 0.3012)$

Have a look what the booklet for
Yxy(58.3931, 0.2477, 0.3012)
contains.

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Color

Yxy(58.3325, 0.2478, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	82D5EB
RGB	130, 213, 235
RGB Percent	51%, 84%, 92%
CMY	0.4904, 0.1647, 0.0783
CMYK	0.45, 0.09, 0.00, 0.08
HSL	193°, 72%, 72%
HSV	193°, 45%, 92%
XYZ	47.9907, 58.3325, 87.3438
YIQ	190.6910, -56.5300, -10.7540

Conversions

Conversions Part 2

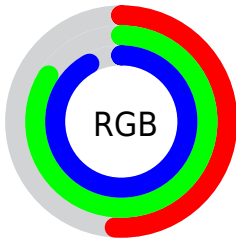
Format	Color
RYB	130, 176, 235
Decimal	8574443
CIELab	80.92, -19.63, -18.72
CIElCh	81, 27.125, 223.650
Yxy	58.3325, 0.2478, 0.3012
Android (android.graphics.Color)	4286764523 (0xFF82D5EB)
YUV	190.6910, 21.8443, -53.2260
Hunter-Lab	76.3757, -21.4970, -14.3415

Details

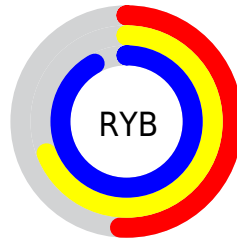
The Yxy color **58.3325, 0.2478, 0.3012** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.7169, 0.4204, 0.3542**, and the grayscale version is **51.8019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **29.0861, 0.2323, 0.2933** is the 20% darker color. If you saturate the color by 10%, you get **54.2453, 0.2360, 0.2938**, and if you desaturate by 10%, it is **62.9237, 0.2610, 0.3082**.

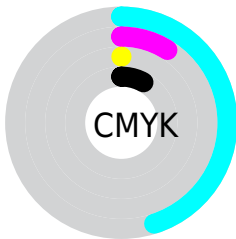
Distribution



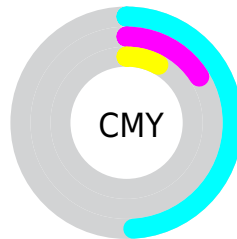
- Red (51%)
- Green (84%)
- Blue (92%)



- Red (51%)
- Yellow (69%)
- Blue (92%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)





- Cyan (49%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3325, 0.2478, 0.3012 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 58.3325, 0.2478, 0.3012 by changing the saturation by 10% instead.


 58.3325, 0.2478,
0.3012


 58.3325, 0.2478,
0.3012


418.4238, 0.2782,
0.3152

 42.0760, 0.2408,
0.2977


 102.4069, 0.2584,
0.3063

 29.1608, 0.2321,
0.2933


 130.9936, 0.2625,
0.3082

 19.2025, 0.2212,
0.2874


 164.4592, 0.2661,
0.3098

 11.8167, 0.2068,
0.2794

203.1880, 0.2691,
0.3112

 6.6190, 0.1875,
0.2679

247.5645, 0.2718,
0.3124

 3.2250, 0.1601,
0.2500

297.9730, 0.2742,

 1.2503, 0.1179,

0.3135

0.2200

354.7980, 0.2763,
0.3144

0.1022, 0.0000,
0.0640

0.0000, 0.0000,
0.0000

58.3325, 0.2478,
0.3012

58.3325, 0.2478,
0.3012

54.2453, 0.2360,
0.2938

62.9237, 0.2610,
0.3082

50.6255, 0.2259,
0.2862

68.0392, 0.2752,
0.3148

47.4416, 0.2177,
0.2785

73.7065, 0.2901,
0.3209

44.6545, 0.2114,
0.2708

79.9487, 0.3054,
0.3265

■ 42.2167, 0.2071,
0.2631

■ 86.7876, 0.3209,
0.3316

■ 41.0301, 0.2053,
0.2591

■ 91.0914, 0.3255,
0.3364

■ 94.0705, 0.3251,
0.3411

■ 97.1291, 0.3246,
0.3458

■ 98.7795, 0.3244,
0.3483

Harmonies

Analogous

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



58.3325, 0.2605, 0.3333



58.3325, 0.2478, 0.3012



58.3325, 0.2512, 0.2793

Triad

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



58.3325, 0.2478, 0.3012



58.3325, 0.3367, 0.2955



58.3325, 0.3547, 0.3909

Complementary

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



58.3325, 0.2478, 0.3012



41.7169, 0.4204, 0.3542

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.



58.3325, 0.3775, 0.3761



58.3325, 0.2478, 0.3012



58.3325, 0.3671, 0.3215

Square

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



58.3325, 0.2478, 0.3012



58.3325, 0.3009, 0.2775



58.3325, 0.3823, 0.3505



58.3325, 0.3215, 0.3881

Rectangle

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



58.3325, 0.2478, 0.3012



58.3325, 0.2622, 0.2724



58.3325, 0.3823, 0.3505



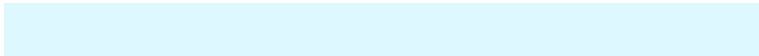
58.3325, 0.3639, 0.3877

Sweetspot

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



58.3347, 0.2478, 0.3012



89.8952, 0.2926, 0.3219



66.4040, 0.2954, 0.4408



18.8996, 0.2892, 0.3206



0.0000, 0.0000, 0.0000



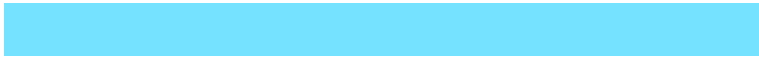
21.4041, 0.3127, 0.3290

Same Dimension

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



58.3347, 0.2478, 0.3012



65.5003, 0.2365, 0.2942



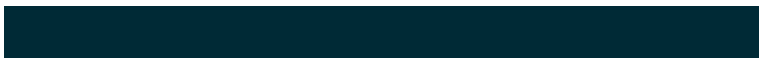
36.3930, 0.2357, 0.2317



16.5550, 0.2981, 0.3239



23.0208, 0.2057, 0.2603



1.9418, 0.2086, 0.2709

Inverse Universe

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



38.4200, 0.3387, 0.2398



39.5522, 0.3460, 0.2230



62.2238, 0.3933, 0.4095



15.2566, 0.3170, 0.3106



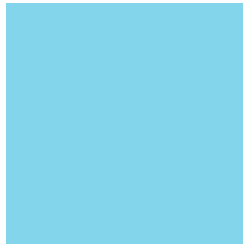
11.8168, 0.3821, 0.1879



0.9414, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 58.3325, 0.2478, 0.3012 looks on a white background.

Color Contrast Check

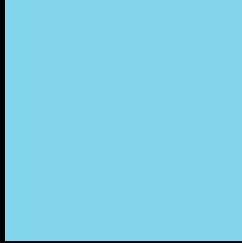
Large Text (above 18pt) WCAG AA × Fail

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 58.3325, 0.2478, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

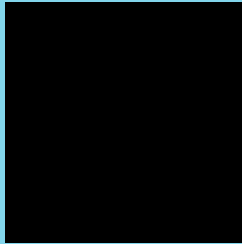
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3325, 0.2478, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 58.3325, 0.2478, 0.3012.



This preview shows how white text looks on a background with the Yxy color 58.3325, 0.2478, 0.3012.

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

58.3325, 0.2478, 0.3012

Protanopia

57.5602, 0.2923, 0.2975

Deuteranopia

57.5416, 0.2858, 0.2792



Tritanopia

58.5298, 0.2495, 0.3073

Trichromacy



Original Color

58.3325, 0.2478, 0.3012

Protanomaly

57.1397, 0.2734, 0.2975

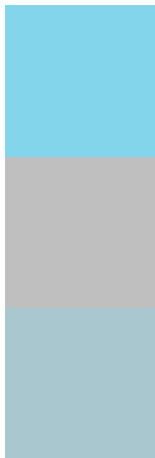
Deuteranomaly

57.5281, 0.2700, 0.2864

Tritanomaly

58.5865, 0.2490, 0.3061

Monochromacy



Original Color

58.3325, 0.2478, 0.3012

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.7869, 0.2848, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3325, 0.2478, 0.3012 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(130, 213, 235)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 213, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 213, 235) }
```

Border

The CSS property to change the border of an element to Yxy 58.3325, 0.2478, 0.3012 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(130, 213, 235) }
```

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

```
.border{ border-color:rgb(130, 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(130, 213, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 213, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 213, 235);  
box-shadow:4px 4px 4px 4px rgb(130, 213,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3325, 0.2478, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 213, 235) }
```

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

```
.background{ background-color: rgb(130,  
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](#).

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