

Converting Colors

$Yxy(56.5856, 0.2484, 0.2961)$

Have a look what the booklet for
Yxy(56.5856, 0.2484, 0.2961)
contains.

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Color

Yxy(56.5856, 0.2484, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	85D1EB
RGB	133, 209, 235
RGB Percent	52%, 82%, 92%
CMY	0.4785, 0.1804, 0.0783
CMYK	0.43, 0.11, 0.00, 0.08
HSL	195°, 72%, 72%
HSV	195°, 43%, 92%
XYZ	47.4700, 56.5856, 87.0474
YIQ	189.2400, -53.6420, -8.0260

Conversions

Conversions Part 2

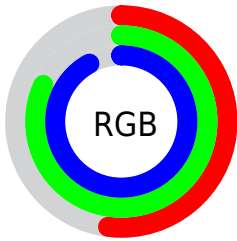
Format	Color
RYB	133, 177, 235
Decimal	8770027
CIELab	79.95, -16.86, -20.20
CIELCh	80, 26.309, 230.148
Yxy	56.5856, 0.2484, 0.2961
Android (android.graphics.Color)	4286960107 (0xFF85D1EB)
YUV	189.2400, 22.5597, -49.3225
Hunter-Lab	75.2234, -18.9979, -15.9531

Details

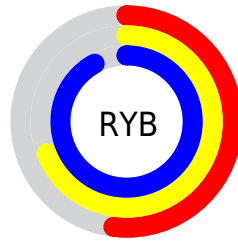
The Yxy color **56.5856, 0.2484, 0.2961** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.1630, 0.4136, 0.3588**, and the grayscale version is **50.9239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **27.9024, 0.2327, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **51.9971, 0.2359, 0.2871**, and if you desaturate by 10%, it is **61.7171, 0.2622, 0.3047**.

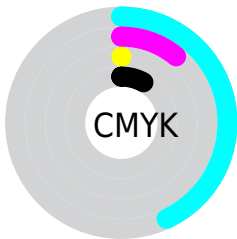
Distribution



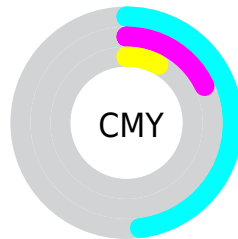
- Red (52%)
- Green (82%)
- Blue (92%)



- Red (52%)
- Yellow (69%)
- Blue (92%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (8%)




- Cyan (48%)
- Magenta (18%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5856, 0.2484, 0.2961 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 56.5856, 0.2484, 0.2961 by changing the saturation by 10% instead.


 56.5856, 0.2484,
0.2961


 56.5856, 0.2484,
0.2961

411.8947, 0.2787,
0.3125

 40.6726, 0.2414,
0.2921


 99.8603, 0.2590,
0.3020

 28.0634, 0.2327,
0.2869


 127.9908, 0.2631,
0.3043

 18.3734, 0.2217,
0.2802

 160.9625, 0.2666,
0.3062

 11.2184, 0.2072,
0.2709

199.1600, 0.2697,
0.3078

 6.2139, 0.1876,
0.2577

242.9676, 0.2723,
0.3092

 2.9756, 0.1598,
0.2375

292.7696, 0.2747,

 1.1190, 0.1159,

0.3105

0.2042

348.9505, 0.2768,
0.3116

0.0000, 0.0000,
0.0000

56.5856, 0.2484,
0.2961

56.5856, 0.2484,
0.2961

51.9971, 0.2359,
0.2871

61.7171, 0.2622,
0.3047

47.9151, 0.2249,
0.2777

67.4126, 0.2768,
0.3127

44.3080, 0.2157,
0.2681

73.6994, 0.2920,
0.3201

41.1370, 0.2085,
0.2585

80.6011, 0.3074,
0.3268

38.3554, 0.2034,
0.2490

88.1400, 0.3228,
0.3329

■ 36.6917, 0.2008,
0.2428

■ 92.5532, 0.3253,
0.3387

■ 96.2399, 0.3247,
0.3445

■ 98.7805, 0.3244,
0.3483

Harmonies

Analogous

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



56.5856, 0.2576, 0.3260



56.5856, 0.2484, 0.2961



56.5856, 0.2551, 0.2774

Triad

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



56.5856, 0.2484, 0.2961



56.5856, 0.3435, 0.3011



56.5856, 0.3474, 0.3907

Complementary

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



56.5856, 0.2484, 0.2961



44.1630, 0.4136, 0.3588

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.



56.5856, 0.3726, 0.3795



56.5856, 0.2484, 0.2961



56.5856, 0.3708, 0.3278

Square

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



56.5856, 0.2484, 0.2961



56.5856, 0.3086, 0.2814



56.5856, 0.3816, 0.3561



56.5856, 0.3138, 0.3836

Rectangle

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



56.5856, 0.2484, 0.2961



56.5856, 0.2680, 0.2727



56.5856, 0.3816, 0.3561



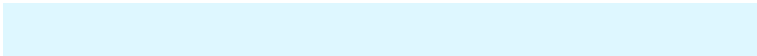
56.5856, 0.3572, 0.3888

Sweetspot

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



56.5878, 0.2484, 0.2961



88.9684, 0.2926, 0.3204



66.9103, 0.2931, 0.4300



18.6692, 0.2892, 0.3188



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.



56.5878, 0.2484, 0.2961



63.1910, 0.2373, 0.2882



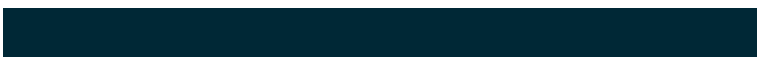
35.6072, 0.2368, 0.2280



16.4335, 0.2981, 0.3228



20.6279, 0.2012, 0.2443



1.7722, 0.2048, 0.2574

Inverse Universe

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



39.0413, 0.3424, 0.2468



40.5072, 0.3505, 0.2315



65.2208, 0.3884, 0.4123



15.2443, 0.3177, 0.3116



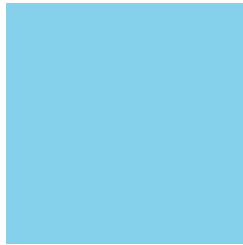
11.5752, 0.3980, 0.1966



0.9243, 0.3849, 0.1894

Previews

White Background



This preview shows how the Yxy color 56.5856, 0.2484, 0.2961 looks on a white background.

Color Contrast Check

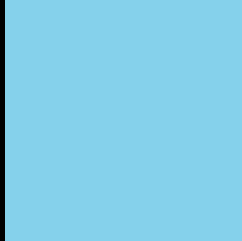
Large Text (above 18pt) WCAG AA × Fail

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 56.5856, 0.2484, 0.2961 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 56.5856, 0.2484, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 56.5856, 0.2484, 0.2961.



This preview shows how white text looks on a background with the Yxy color 56.5856, 0.2484, 0.2961.

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

56.5856, 0.2484, 0.2961

Protanopia

56.1773, 0.2886, 0.2937

Deuteranopia

56.0487, 0.2835, 0.2775



Tritanopia

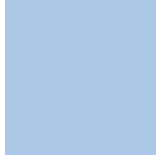
56.4645, 0.2517, 0.3071

Trichromacy



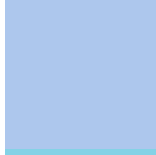
Original Color

56.5856, 0.2484, 0.2961



Protanomaly

56.0884, 0.2726, 0.2950



Deuteranomaly

55.8455, 0.2689, 0.2836



Tritanomaly

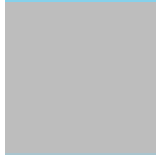
56.7119, 0.2506, 0.3034

Monochromacy



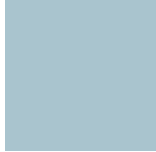
Original Color

56.5856, 0.2484, 0.2961



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

52.3711, 0.2852, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5856, 0.2484, 0.2961 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(133, 209, 235)` looks like.

```
.text, #text, p{  
    color:rgb(133, 209, 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(133, 209, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 209, 235) }
```

Border

The CSS property to change the border of an element to Yxy 56.5856, 0.2484, 0.2961 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(133, 209, 235) }
```

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

```
.border{ border-color:rgb(133, 209, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 209, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 209, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 209, 235);  
box-shadow:4px 4px 4px 4px rgb(133, 209,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5856, 0.2484, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 209, 235) }
```

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

```
.background{ background-color: rgb(133,  
209, 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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