

Converting Colors

$Y_{xy}(44.7983, 0.2358, 0.2762)$

Have a look what the booklet for
Yxy(44.7983, 0.2358, 0.2762)
contains.

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Color

Yxy(44.8275, 0.2357, 0.2760)

Conversions

Conversions Part 1

Format	Color
Hex	6EBCE3
RGB	110, 188, 227
RGB Percent	43%, 74%, 89%
CMY	0.5685, 0.2628, 0.1098
CMYK	0.52, 0.17, 0.00, 0.11
HSL	200°, 68%, 66%
HSV	200°, 52%, 89%
XYZ	38.2820, 44.8275, 79.3089
YIQ	169.1240, -59.0070, -4.4070

Conversions

Conversions Part 2

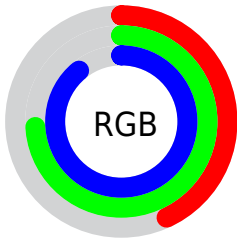
Format	Color
R _Y B	110, 157, 227
Decimal	7257315
CIE Lab	72.78, -13.41, -26.88
CIE LCh	73, 30.044, 243.484
Yxy	44.8275, 0.2357, 0.2760
Android (android.graphics.Color)	4285447395 (0xFF6EBCE3)
YUV	169.1240, 28.5329, -51.8517
Hunter-Lab	66.9533, -15.1071, -23.3641

Details

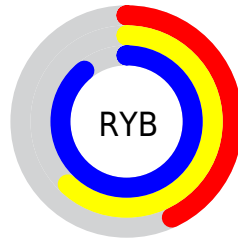
The Yxy color **44.8275, 0.2357, 0.2760** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.9668, 0.4346, 0.3743**, and the grayscale version is **39.6239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2462, 0.2626, 0.3167**, and **20.9349, 0.2155, 0.2603** is the 20% darker color. If you saturate the color by 10%, you get **40.4042, 0.2233, 0.2635**, and if you desaturate by 10%, it is **49.7967, 0.2494, 0.2879**.

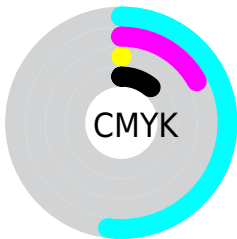
Distribution



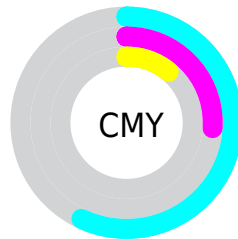
- Red (43%)
- Green (74%)
- Blue (89%)



- Red (43%)
- Yellow (62%)
- Blue (89%)



- Cyan (52%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (57%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8275, 0.2357, 0.2760 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 44.8275, 0.2357, 0.2760 by changing the saturation by 10% instead.

■ 44.8275, 0.2357,
0.2760

■ 44.8275, 0.2357,
0.2760

■ 366.0745, 0.2732,
0.3029

■ 31.3216, 0.2268,
0.2693

■ 82.4615, 0.2490,
0.2858

■ 20.8438, 0.2156,
0.2606

■ 107.3584, 0.2541,
0.2895

■ 13.0099, 0.2012,
0.2492

■ 136.8210, 0.2584,
0.2926

■ 7.4354, 0.1821,
0.2335

■ 171.2338, 0.2622,
0.2953

■ 3.7358, 0.1560,
0.2109

■ 210.9811, 0.2655,
0.2976

■ 1.5269, 0.1190,
0.1765

■ 256.4474, 0.2683,

■ 0.3076, 0.0000,

0.2996

0.0980

308.0171, 0.2709,
0.3014

0.0000, 0.0000,
0.0000

44.8275, 0.2357,
0.2760

44.8275, 0.2357,
0.2760

40.4042, 0.2233,
0.2635

49.7967, 0.2494,
0.2879

36.4903, 0.2126,
0.2508

55.3354, 0.2641,
0.2992

33.0512, 0.2039,
0.2379

61.4713, 0.2794,
0.3096

30.0445, 0.1972,
0.2251

68.2287, 0.2949,
0.3191

27.7767, 0.1929,
0.2145

75.6303, 0.3104,
0.3278

83.6974, 0.3256,
0.3355

89.7098, 0.3308,
0.3428

94.2848, 0.3299,
0.3501

98.3262, 0.3292,
0.3562

Harmonies

Analogous

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



44.8275, 0.2381, 0.3069



44.8275, 0.2357, 0.2760



44.8275, 0.2520, 0.2613

Triad

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



44.8275, 0.2357, 0.2760



44.8275, 0.3676, 0.3084



44.8275, 0.3371, 0.4050

Complementary

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



44.8275, 0.2357, 0.2760



38.9668, 0.4346, 0.3743

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.



44.8275, 0.3743, 0.3995



44.8275, 0.2357, 0.2760



44.8275, 0.3935, 0.3423

Square

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



44.8275, 0.2357, 0.2760



44.8275, 0.3267, 0.2804



44.8275, 0.3956, 0.3754



44.8275, 0.2948, 0.3860

Rectangle

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



44.8275, 0.2357, 0.2760



44.8275, 0.2721, 0.2610



44.8275, 0.3956, 0.3754



44.8275, 0.3506, 0.4058

Sweetspot

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



44.8292, 0.2357, 0.2760



85.5833, 0.2894, 0.3158



60.4279, 0.2854, 0.4385



17.9175, 0.2861, 0.3138



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.



44.8292, 0.2357, 0.2760



52.1270, 0.2223, 0.2624



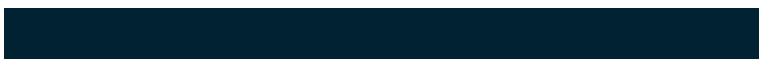
24.7050, 0.2190, 0.1917



15.4841, 0.2981, 0.3210



16.4219, 0.1935, 0.2164



1.3826, 0.1986, 0.2348

Inverse Universe

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



31.1224, 0.3603, 0.2420



34.0683, 0.3748, 0.2272



62.3305, 0.3980, 0.4357



14.5292, 0.3189, 0.3135



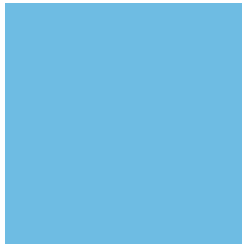
10.8555, 0.4271, 0.2126



0.8193, 0.4077, 0.2019

Previews

White Background



This preview shows how the Yxy color 44.8275, 0.2357, 0.2760 looks on a white background.

Color Contrast Check

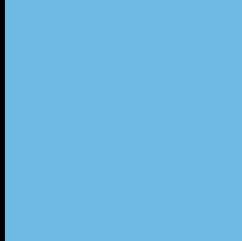
Large Text (above 18pt) WCAG AA × Fail

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 44.8275, 0.2357, 0.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

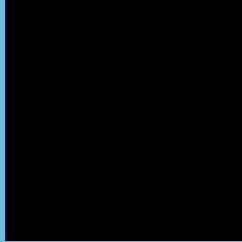
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8275, 0.2357, 0.2760

Background



This preview shows how black text looks on a background with the Yxy color 44.8275, 0.2357, 0.2760.

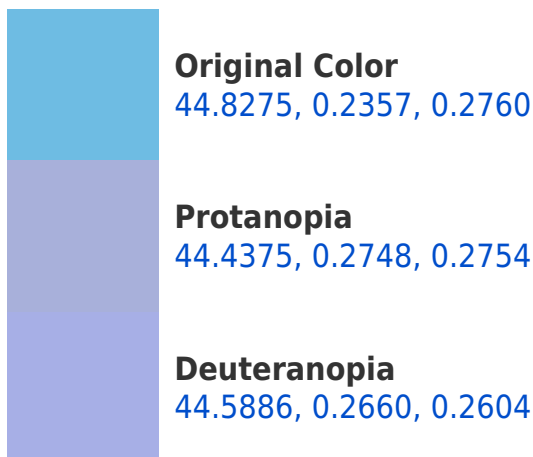


This preview shows how white text looks on a background with the Yxy color 44.8275, 0.2357, 0.2760.

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





Tritanopia

44.6502, 0.2432, 0.3060

Trichromacy



Original Color

44.8275, 0.2357, 0.2760

Protanomaly

44.0660, 0.2585, 0.2751

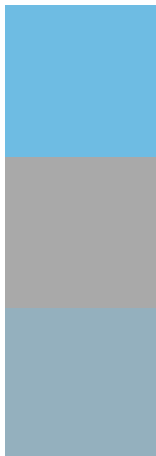
Deuteranomaly

44.4107, 0.2531, 0.2656

Tritanomaly

44.7461, 0.2408, 0.2952

Monochromacy



Original Color

44.8275, 0.2357, 0.2760

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.0643, 0.2789, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8275, 0.2357, 0.2760 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(110, 188, 227)` looks like.

```
.text, #text, p{  
    color:rgb(110, 188, 227)  
}
```

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(110, 188, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 188, 227) }
```

Border

The CSS property to change the border of an element to Yxy 44.8275, 0.2357, 0.2760 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(110, 188, 227) }
```

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

```
.border{ border-color:rgb(110, 188, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 188, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 188, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 188, 227);  
box-shadow:4px 4px 4px 4px rgb(110, 188,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8275, 0.2357, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 188, 227) }
```

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

```
.background{ background-color: rgb(110,  
188, 227) }
```

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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