

Converting Colors

$Y_{xy}(39.6751, 0.2285, 0.2768)$

Have a look what the booklet for
Yxy(39.6751, 0.2285, 0.2768)
contains.

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Color

Yxy(39.6751, 0.2285, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	58B4D8
RGB	88, 180, 216
RGB Percent	35%, 71%, 85%
CMY	0.6543, 0.2942, 0.1529
CMYK	0.59, 0.17, 0.00, 0.15
HSL	197°, 62%, 60%
HSV	197°, 59%, 85%
XYZ	32.7520, 39.6751, 70.9078
YIQ	156.5960, -66.3880, -8.3080

Conversions

Conversions Part 2

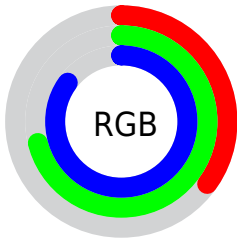
Format	Color
R_{YB}	88, 142, 216
Decimal	5813464
CIE _{Lab}	69.24, -16.86, -26.40
CIE _{LCh}	69, 31.323, 237.426
Yxy	39.6751, 0.2285, 0.2768
Android (android.graphics.Color)	4284003544 (0xFF58B4D8)
YUV	156.5960, 29.2862, -60.1587
Hunter-Lab	62.9882, -17.4145, -22.6529

Details

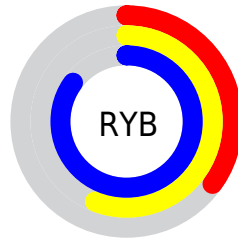
The Yxy color **39.6751, 0.2285, 0.2768** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **29.7694, 0.4657, 0.3715**, and the grayscale version is **33.4317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5068, 0.2517, 0.3071**, and **17.7520, 0.2057, 0.2604** is the 20% darker color. If you saturate the color by 10%, you get **36.3681, 0.2181, 0.2663**, and if you desaturate by 10%, it is **43.4054, 0.2405, 0.2870**.

Distribution



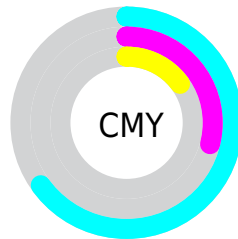
- Red (35%)
- Green (71%)
- Blue (85%)



- Red (35%)
- Yellow (56%)
- Blue (85%)



- Cyan (59%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6751, 0.2285, 0.2768 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 39.6751, 0.2285, 0.2768 by changing the saturation by 10% instead.

■ 39.6751, 0.2285,
0.2768

■ 39.6751, 0.2285,
0.2768

■ 344.7523, 0.2701,
0.3041

■ 27.2853, 0.2184,
0.2697

■ 74.6685, 0.2434,
0.2870

■ 17.7876, 0.2057,
0.2605

■ 98.0409, 0.2491,
0.2907

■ 10.7976, 0.1892,
0.2481

■ 125.8430, 0.2539,
0.2939

■ 5.9309, 0.1671,
0.2307

■ 158.4592, 0.2581,
0.2965

■ 2.8031, 0.1368,
0.2048

■ 196.2738, 0.2617,
0.2988

■ 1.0298, 0.0898,
0.1650

■ 239.6712, 0.2648,

■ 0.0000, 0.0000,

0.3008

0.0000

289.0359, 0.2676,
0.3026

■ 39.6751, 0.2285,
0.2768

■ 39.6751, 0.2285,
0.2768

■ 36.3681, 0.2181,
0.2663

■ 43.4054, 0.2405,
0.2870

■ 33.4501, 0.2097,
0.2556

■ 47.5809, 0.2539,
0.2968

■ 30.8876, 0.2032,
0.2449

■ 52.2270, 0.2682,
0.3061

■ 28.6243, 0.1986,
0.2344

■ 57.3654, 0.2833,
0.3146

■ 28.4491, 0.1982,
0.2336

■ 63.0164, 0.2986,
0.3224

■ 69.1990, 0.3140,
0.3295

■ 75.9312, 0.3291,
0.3359

■ 82.0814, 0.3396,
0.3418

■ 85.5032, 0.3387,
0.3478

Harmonies

Analogous

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



39.6751, 0.2351, 0.3132



39.6751, 0.2285, 0.2768



39.6751, 0.2420, 0.2576

Triad

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



39.6751, 0.2285, 0.2768



39.6751, 0.3642, 0.2999



39.6751, 0.3478, 0.4127

Complementary

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



39.6751, 0.2285, 0.2768



29.7694, 0.4657, 0.3715

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.



39.6751, 0.3858, 0.4012



39.6751, 0.2285, 0.2768



39.6751, 0.3968, 0.3354

Square

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



39.6751, 0.2285, 0.2768



39.6751, 0.3182, 0.2718



39.6751, 0.4045, 0.3719



39.6751, 0.3021, 0.3976

Rectangle

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



39.6751, 0.2285, 0.2768



39.6751, 0.2614, 0.2549



39.6751, 0.4045, 0.3719



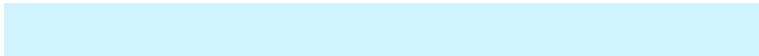
39.6751, 0.3619, 0.4115

Sweetspot

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



39.6766, 0.2285, 0.2768



84.3331, 0.2848, 0.3154



52.6133, 0.2876, 0.4710



17.5593, 0.2803, 0.3130



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.



39.6766, 0.2285, 0.2768



51.8503, 0.2159, 0.2636



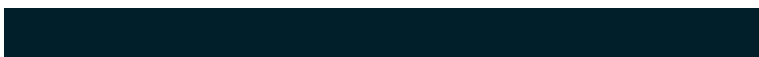
19.9940, 0.2073, 0.1809



13.4888, 0.2982, 0.3223



17.0273, 0.1987, 0.2352



1.1640, 0.2037, 0.2533

Inverse Universe

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



24.9000, 0.3615, 0.2247



30.5096, 0.3759, 0.2101



50.5024, 0.4158, 0.4403



12.5702, 0.3180, 0.3124



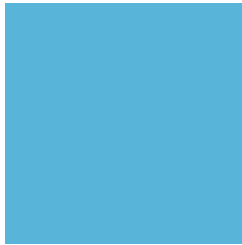
10.0638, 0.4072, 0.2017



0.6208, 0.3889, 0.1916

Previews

White Background



This preview shows how the Yxy color 39.6751, 0.2285, 0.2768 looks on a white background.

Color Contrast Check

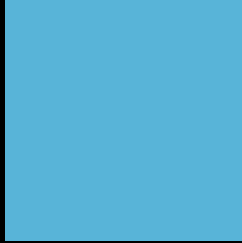
Large Text (above 18pt) WCAG AA × Fail

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 39.6751, 0.2285, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

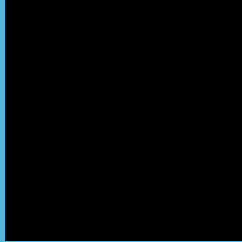
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6751, 0.2285, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 39.6751, 0.2285, 0.2768.

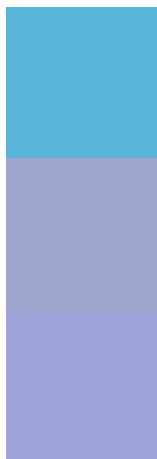


This preview shows how white text looks on a background with the Yxy color 39.6751, 0.2285, 0.2768.

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

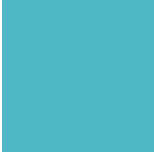
39.6751, 0.2285, 0.2768

Protanopia

39.0996, 0.2751, 0.2752

Deuteranopia

39.1928, 0.2645, 0.2582



Tritanopia

39.6497, 0.2349, 0.3060

Trichromacy



Original Color

39.6751, 0.2285, 0.2768

Protanomaly

38.7655, 0.2540, 0.2745

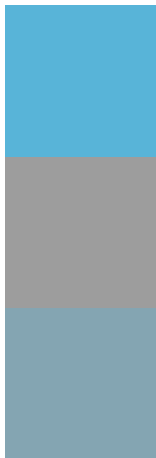
Deuteranomaly

38.7169, 0.2484, 0.2631

Tritanomaly

39.7027, 0.2323, 0.2946

Monochromacy



Original Color

39.6751, 0.2285, 0.2768

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.0302, 0.2737, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6751, 0.2285, 0.2768 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(88, 180, 216)` looks like.

```
.text, #text, p{  
    color:rgb(88, 180, 216)  
}
```

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(88, 180, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 180, 216) }
```

Border

The CSS property to change the border of an element to Yxy 39.6751, 0.2285, 0.2768 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(88, 180, 216) }
```

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

```
.border{ border-color:rgb(88, 180, 216) }
```

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

Here you see how a box with a 4 pixel rgb(88, 180, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 180, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 180, 216);  
box-shadow:4px 4px 4px 4px rgb(88, 180,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6751, 0.2285, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 180, 216) }
```

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

```
.background{ background-color: rgb(88, 180,  
216) }
```

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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