

Converting Colors

$Y_{xy}(39.5863, 0.2311, 0.2874)$

Have a look what the booklet for
Yxy(39.5863, 0.2311, 0.2874)
contains.

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Color

Yxy(39.6296, 0.2313, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	56B5D1
RGB	86, 181, 209
RGB Percent	34%, 71%, 82%
CMY	0.6626, 0.2902, 0.1804
CMYK	0.59, 0.13, 0.00, 0.18
HSL	194°, 57%, 58%
HSV	194°, 59%, 82%
XYZ	31.8718, 39.6296, 66.2928
YIQ	155.7870, -65.6080, -11.4320

Conversions

Conversions Part 2

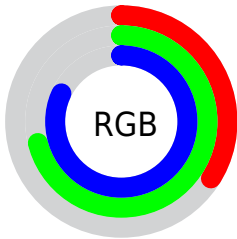
Format	Color
R_{YB}	86, 140, 209
Decimal	5682641
CIE _{Lab}	69.20, -19.89, -22.61
CIE _{LCh}	69, 30.112, 228.654
Yxy	39.6296, 0.2313, 0.2876
Android (android.graphics.Color)	4283872721 (0xFF56B5D1)
YUV	155.7870, 26.2340, -61.2032
Hunter-Lab	62.9520, -19.7939, -18.3700

Details

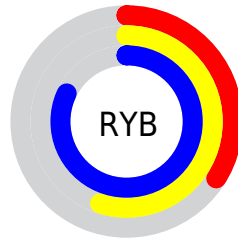
The Yxy color **39.6296, 0.2313, 0.2876** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **26.2693, 0.4699, 0.3631**, and the grayscale version is **33.0522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8994, 0.2510, 0.3082**, and **17.8049, 0.2092, 0.2732** is the 20% darker color. If you saturate the color by 10%, you get **36.8769, 0.2217, 0.2793**, and if you desaturate by 10%, it is **42.7413, 0.2426, 0.2957**.

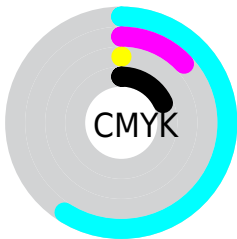
Distribution



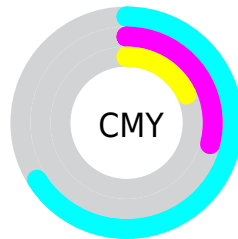
- Red (34%)
- Green (71%)
- Blue (82%)



- Red (34%)
- Yellow (55%)
- Blue (82%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)





- Cyan (66%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6296, 0.2313, 0.2876 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 39.6296, 0.2313, 0.2876 by changing the saturation by 10% instead.


 39.6296, 0.2313,
0.2876


 39.6296, 0.2313,
0.2876


344.5599, 0.2717,
0.3097


 27.2499, 0.2214,
0.2817


 74.5992, 0.2458,
0.2959


 17.7610, 0.2090,
0.2740


 97.9578, 0.2513,
0.2989

 10.7785, 0.1927,
0.2635


 125.7448, 0.2560,
0.3015

 5.9181, 0.1709,
0.2484

 158.3446, 0.2600,
0.3036

 2.7953, 0.1405,
0.2253

196.1416, 0.2635,
0.3054

 1.0258, 0.0889,
0.1888

239.5203, 0.2666,

 0.0000, 0.0000,

0.3070

0.0000

288.8649, 0.2693,
0.3084

■ 39.6296, 0.2313,
0.2876

■ 39.6296, 0.2313,
0.2876

■ 36.8769, 0.2217,
0.2793

■ 42.7413, 0.2426,
0.2957

■ 34.4522, 0.2139,
0.2708

■ 46.2313, 0.2554,
0.3035

■ 32.3255, 0.2081,
0.2624

■ 50.1224, 0.2693,
0.3108

■ 30.4469, 0.2041,
0.2541

■ 54.4339, 0.2840,
0.3176

■ 30.2373, 0.2037,
0.2532

■ 59.1841, 0.2992,
0.3239

64.3898, 0.3145,
0.3296

70.0671, 0.3298,
0.3348

76.2309, 0.3448,
0.3393

79.0855, 0.3453,
0.3441

Harmonies

Analogous

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



39.6296, 0.2435, 0.3265



39.6296, 0.2313, 0.2876



39.6296, 0.2388, 0.2638

Triad

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



39.6296, 0.2313, 0.2876



39.6296, 0.3500, 0.2920



39.6296, 0.3586, 0.4086

Complementary

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



39.6296, 0.2313, 0.2876



26.2693, 0.4699, 0.3631

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.



39.6296, 0.3907, 0.3917



39.6296, 0.2313, 0.2876



39.6296, 0.3865, 0.3249

Square

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



39.6296, 0.2313, 0.2876



39.6296, 0.3048, 0.2680



39.6296, 0.4015, 0.3606



39.6296, 0.3156, 0.4017

Rectangle

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



39.6296, 0.2313, 0.2876



39.6296, 0.2541, 0.2577



39.6296, 0.4015, 0.3606



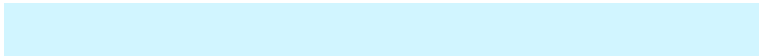
39.6296, 0.3711, 0.4052

Sweetspot

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



39.6311, 0.2313, 0.2876



85.8216, 0.2850, 0.3181



48.7673, 0.2909, 0.4793



17.9256, 0.2806, 0.3161



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.



39.6311, 0.2313, 0.2876



56.6521, 0.2192, 0.2768



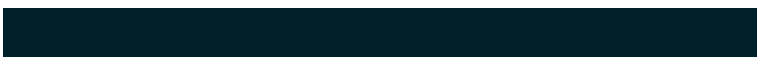
20.2262, 0.2102, 0.1918



12.9315, 0.2983, 0.3236



18.7973, 0.2040, 0.2544



1.1655, 0.2082, 0.2696

Inverse Universe

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



23.5517, 0.3523, 0.2185



30.9943, 0.3640, 0.2022



44.5621, 0.4195, 0.4333



11.9611, 0.3172, 0.3112



9.9689, 0.3879, 0.1911



0.5690, 0.3732, 0.1829

Previews

White Background



This preview shows how the Yxy color 39.6296, 0.2313, 0.2876 looks on a white background.

Color Contrast Check

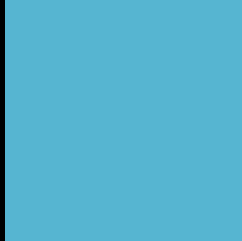
Large Text (above 18pt) WCAG AA × Fail

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 39.6296, 0.2313, 0.2876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

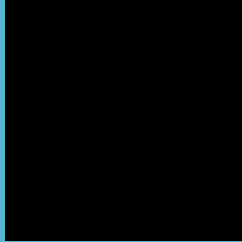
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6296, 0.2313, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 39.6296, 0.2313, 0.2876.

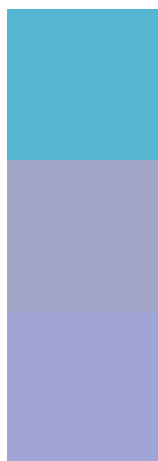


This preview shows how white text looks on a background with the Yxy color 39.6296, 0.2313, 0.2876.

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

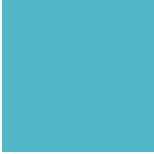
39.6296, 0.2313, 0.2876

Protanopia

38.9730, 0.2818, 0.2842

Deuteranopia

39.2914, 0.2716, 0.2657



Tritanopia

39.6935, 0.2353, 0.3061

Trichromacy



Original Color

39.6296, 0.2313, 0.2876

Protanomaly

38.5059, 0.2591, 0.2836

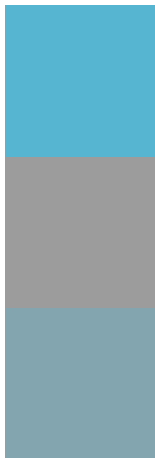
Deuteranomaly

38.9476, 0.2535, 0.2721

Tritanomaly

39.5592, 0.2338, 0.2988

Monochromacy



Original Color

39.6296, 0.2313, 0.2876

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.8307, 0.2751, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6296, 0.2313, 0.2876 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(86, 181, 209)` looks like.

```
.text, #text, p{  
    color:rgb(86, 181, 209)  
}
```

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(86, 181, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 181, 209) }
```

Border

The CSS property to change the border of an element to Yxy 39.6296, 0.2313, 0.2876 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(86, 181, 209) }
```

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

```
.border{ border-color:rgb(86, 181, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 181, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 181, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 181, 209);  
box-shadow:4px 4px 4px 4px rgb(86, 181,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6296, 0.2313, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 181, 209) }
```

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

```
.background{ background-color: rgb(86, 181,  
209) }
```

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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