

Converting Colors

$Y_{xy}(39.7233, 0.2081, 0.2555)$

Have a look what the booklet for
Yxy(39.7233, 0.2081, 0.2555)
contains.

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Color

Yxy(39.8105, 0.2084, 0.2565)

Conversions

Conversions Part 1

Format	Color
Hex	29B6E9
RGB	41, 182, 233
RGB Percent	16%, 71%, 91%
CMY	0.8395, 0.2862, 0.0864
CMYK	0.82, 0.22, 0.00, 0.09
HSL	196°, 81%, 54%
HSV	196°, 82%, 91%
XYZ	32.3451, 39.8105, 83.0511
YIQ	145.6550, -100.4070, -14.0310

Conversions

Conversions Part 2

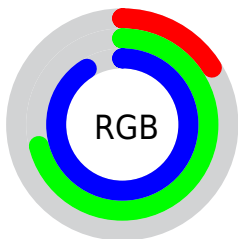
Format	Color
R _Y B	41, 122, 233
Decimal	2733801
CIE Lab	69.33, -18.74, -35.61
CIE LCh	69, 40.238, 242.244
Yxy	39.8105, 0.2084, 0.2565
Android (android.graphics.Color)	4280923881 (0xFF29B6E9)
YUV	145.6550, 43.0611, -91.7824
Hunter-Lab	63.0956, -18.9117, -33.8750

Details

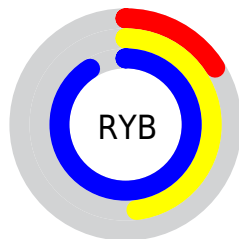
The Yxy color **39.8105, 0.2084, 0.2565** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **25.1169, 0.5571, 0.3700**, and the grayscale version is **28.4410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2910, 0.2402, 0.3088**, and **18.8748, 0.1997, 0.2387** is the 20% darker color. If you saturate the color by 10%, you get **36.9897, 0.2029, 0.2465**, and if you desaturate by 10%, it is **43.0286, 0.2159, 0.2666**.

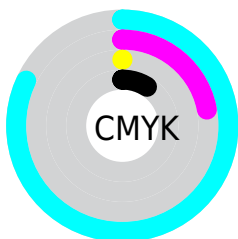
Distribution



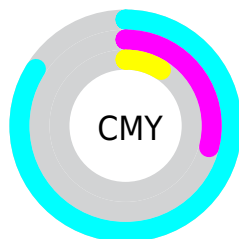
- Red (16%)
- Green (71%)
- Blue (91%)



- Red (16%)
- Yellow (48%)
- Blue (91%)



- Cyan (82%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)





- Cyan (84%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8105, 0.2084, 0.2565 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 39.8105, 0.2084, 0.2565 by changing the saturation by 10% instead.

 39.8105, 0.2084,
0.2565


 39.8105, 0.2084,
0.2565


345.3242, 0.2591,
0.2939


 27.3908, 0.1965,
0.2471


 74.8749, 0.2263,
0.2702


 17.8670, 0.1817,
0.2350


 98.2883, 0.2332,
0.2754

 10.8545, 0.1630,
0.2191


 126.1352, 0.2391,
0.2797

 5.9691, 0.1388,
0.1976

 158.7999, 0.2442,
0.2834

 2.8263, 0.1073,
0.1674

 196.6667, 0.2486,
0.2865

 1.0417, 0.0628,
0.1247

240.1201, 0.2525,

 0.0000, 0.0000,

0.2893

0.0000

289.5445, 0.2560,
0.2918

■ 39.8105, 0.2084,
0.2565

■ 39.8105, 0.2084,
0.2565

■ 36.9897, 0.2029,
0.2465

■ 43.0286, 0.2159,
0.2666

■ 35.0624, 0.1998,
0.2391

■ 46.6849, 0.2254,
0.2765

■ 50.8183, 0.2367,
0.2863

■ 55.4615, 0.2495,
0.2957

■ 60.6437, 0.2635,
0.3046

■ 66.3917, 0.2783,
0.3128

■ 72.7302, 0.2935,
0.3205

■ 79.6823, 0.3090,
0.3274

■ 87.2696, 0.3243,
0.3337

Harmonies

Analogous

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



39.8105, 0.2121, 0.2986



39.8105, 0.2084, 0.2565



39.8105, 0.2287, 0.2375

Triad

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



39.8105, 0.2084, 0.2565



39.8105, 0.3871, 0.2984



39.8105, 0.3468, 0.4370

Complementary

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



39.8105, 0.2084, 0.2565



25.1169, 0.5571, 0.3700

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.



39.8105, 0.3982, 0.4244



39.8105, 0.2084, 0.2565



39.8105, 0.4248, 0.3427

Square

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



39.8105, 0.2084, 0.2565



39.8105, 0.3288, 0.2622



39.8105, 0.4280, 0.3880



39.8105, 0.2889, 0.4126

Rectangle

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



39.8105, 0.2084, 0.2565



39.8105, 0.2546, 0.2372



39.8105, 0.4280, 0.3880



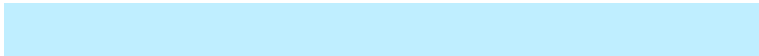
39.8105, 0.3655, 0.4365

Sweetspot

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



39.8119, 0.2084, 0.2565



79.5251, 0.2742, 0.3107



59.4545, 0.2881, 0.5379



16.4856, 0.2690, 0.3078



0.0000, 0.0000, 0.0000



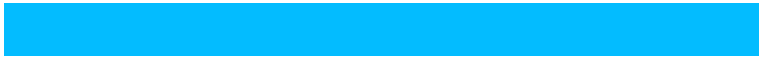
21.4041, 0.3127, 0.3290

Same Dimension

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



39.8119, 0.2084, 0.2565



43.2034, 0.2000, 0.2396



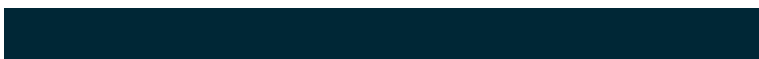
13.4880, 0.1723, 0.1211



16.4062, 0.2981, 0.3226



20.1134, 0.2002, 0.2406



1.7355, 0.2040, 0.2543

Inverse Universe

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



22.2789, 0.3844, 0.2000



24.9462, 0.4027, 0.1995



52.1630, 0.4545, 0.4618



15.2415, 0.3178, 0.3119



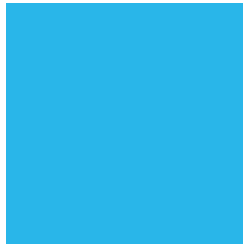
11.5233, 0.4017, 0.1986



0.9206, 0.3880, 0.1911

Previews

White Background



This preview shows how the Yxy color 39.8105, 0.2084, 0.2565 looks on a white background.

Color Contrast Check

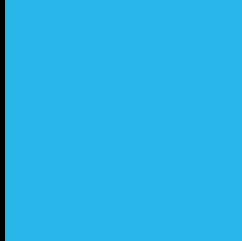
Large Text (above 18pt) WCAG AA × Fail

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 39.8105, 0.2084, 0.2565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

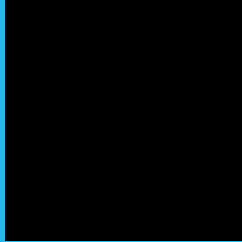
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

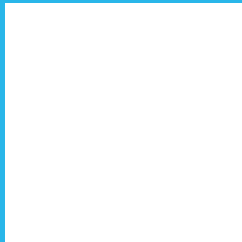
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8105, 0.2084, 0.2565

Background



This preview shows how black text looks on a background with the Yxy color 39.8105, 0.2084, 0.2565.



This preview shows how white text looks on a background with the Yxy color 39.8105, 0.2084, 0.2565.

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

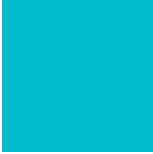
39.8105, 0.2084, 0.2565

Protanopia

39.2652, 0.2603, 0.2567

Deuteranopia

39.3162, 0.2445, 0.2378



Tritanopia

39.8049, 0.2182, 0.3055

Trichromacy



Original Color

39.8105, 0.2084, 0.2565

Protanomaly

38.3860, 0.2332, 0.2556

Deuteranomaly

38.6870, 0.2253, 0.2424

Tritanomaly

39.6036, 0.2139, 0.2866

Monochromacy



Original Color

39.8105, 0.2084, 0.2565

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.1988, 0.2546, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8105, 0.2084, 0.2565 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(41, 182, 233)` looks like.

```
.text, #text, p{  
    color:rgb(41, 182, 233)  
}
```

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(41, 182, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 182, 233) }
```

Border

The CSS property to change the border of an element to Yxy 39.8105, 0.2084, 0.2565 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(41, 182, 233) }
```

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

```
.border{ border-color:rgb(41, 182, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 182, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 182, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 182, 233);  
box-shadow:4px 4px 4px 4px rgb(41, 182,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8105, 0.2084, 0.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 182, 233) }
```

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

```
.background{ background-color: rgb(41, 182,  
233) }
```

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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