

Converting Colors

$Yxy(39.9434, 0.2095, 0.2567)$

Have a look what the booklet for
Yxy(39.9434, 0.2095, 0.2567)
contains.

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Color

Yxy(39.9434, 0.2095, 0.2567)

Conversions

Conversions Part 1

Format	Color
Hex	2FB6E9
RGB	47, 182, 233
RGB Percent	18%, 71%, 91%
CMY	0.8163, 0.2862, 0.0864
CMYK	0.80, 0.22, 0.00, 0.09
HSL	196°, 81%, 55%
HSV	196°, 80%, 91%
XYZ	32.5989, 39.9434, 83.0611
YIQ	147.4490, -96.8310, -12.7590

Conversions

Conversions Part 2

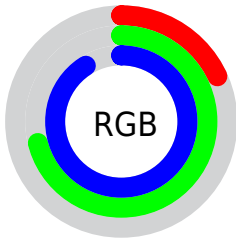
Format	Color
RYB	47, 125, 233
Decimal	3127017
CIELab	69.43, -18.24, -35.45
CIELCh	69, 39.868, 242.778
Yxy	39.9434, 0.2095, 0.2567
Android (android.graphics.Color)	4281317097 (0xFF2FB6E9)
YUV	147.4490, 42.1766, -88.0938
Hunter-Lab	63.2008, -18.5312, -33.6808

Details

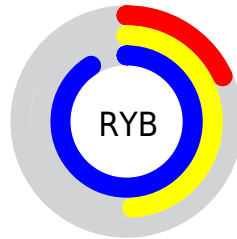
The Yxy color **39.9434, 0.2095, 0.2567** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **26.2203, 0.5464, 0.3725**, and the grayscale version is **29.2070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5066, 0.2413, 0.3088**, and **18.8748, 0.1997, 0.2387** is the 20% darker color. If you saturate the color by 10%, you get **36.9793, 0.2034, 0.2464**, and if you desaturate by 10%, it is **43.3240, 0.2177, 0.2671**.

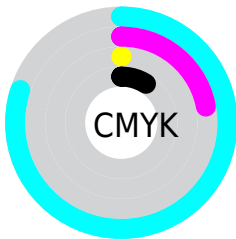
Distribution



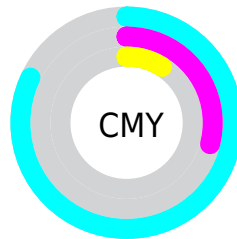
- Red (18%)
- Green (71%)
- Blue (91%)



- Red (18%)
- Yellow (49%)
- Blue (91%)



- Cyan (80%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (82%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9434, 0.2095, 0.2567 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 39.9434, 0.2095, 0.2567 by changing the saturation by 10% instead.


 39.9434, 0.2095,
0.2567


 39.9434, 0.2095,
0.2567


345.8850, 0.2597,
0.2940


 27.4944, 0.1977,
0.2473


 75.0773, 0.2273,
0.2704


 17.9449, 0.1830,
0.2353


 98.5310, 0.2341,
0.2755


 10.9104, 0.1644,
0.2196


 126.4218, 0.2399,
0.2798

 6.0066, 0.1405,
0.1982

 159.1340, 0.2449,
0.2834

 2.8491, 0.1091,
0.1682

 197.0520, 0.2493,
0.2866

 1.0535, 0.0652,
0.1256

240.5602, 0.2532,

 0.0000, 0.0000,

0.2894

0.0000

290.0431, 0.2566,
0.2918

■ 39.9434, 0.2095,
0.2567

■ 39.9434, 0.2095,
0.2567

■ 36.9793, 0.2034,
0.2464

■ 43.3240, 0.2177,
0.2671

■ 34.3562, 0.1990,
0.2362

■ 47.1598, 0.2278,
0.2774

■ 34.3295, 0.1989,
0.2361

■ 51.4883, 0.2396,
0.2874

■ 56.3416, 0.2528,
0.2970

■ 61.7483, 0.2671,
0.3060

■ 67.7346, 0.2821,
0.3144

■ 74.3251, 0.2974,
0.3221

■ 81.5424, 0.3129,
0.3291

■ 89.1195, 0.3271,
0.3354

Harmonies

Analogous

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



39.9434, 0.2128, 0.2981



39.9434, 0.2095, 0.2567



39.9434, 0.2300, 0.2382

Triad

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



39.9434, 0.2095, 0.2567



39.9434, 0.3872, 0.2994



39.9434, 0.3455, 0.4358

Complementary

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



39.9434, 0.2095, 0.2567



26.2203, 0.5464, 0.3725

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.



39.9434, 0.3967, 0.4240



39.9434, 0.2095, 0.2567



39.9434, 0.4240, 0.3435

Square

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



39.9434, 0.2095, 0.2567



39.9434, 0.3297, 0.2633



39.9434, 0.4266, 0.3883



39.9434, 0.2882, 0.4109

Rectangle

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



39.9434, 0.2095, 0.2567



39.9434, 0.2560, 0.2381



39.9434, 0.4266, 0.3883



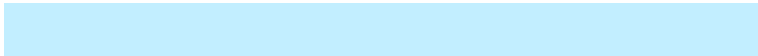
39.9434, 0.3641, 0.4355

Sweetspot

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



39.9448, 0.2095, 0.2567



79.9551, 0.2757, 0.3109



59.7161, 0.2866, 0.5278



16.5562, 0.2703, 0.3079



0.0000, 0.0000, 0.0000



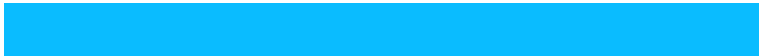
21.4041, 0.3127, 0.3290

Same Dimension

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



39.9448, 0.2095, 0.2567



43.2449, 0.2004, 0.2396



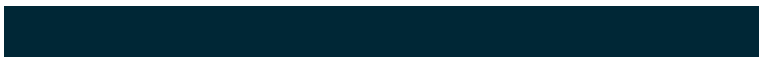
13.8403, 0.1744, 0.1235



16.3840, 0.2981, 0.3224



19.7015, 0.1994, 0.2376



1.7060, 0.2033, 0.2518

Inverse Universe

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



22.7174, 0.3839, 0.2026



25.1115, 0.4025, 0.2004



54.1516, 0.4483, 0.4631



15.2393, 0.3180, 0.3120



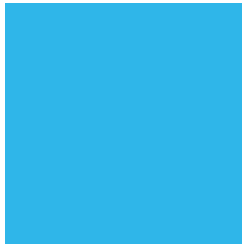
11.4817, 0.4047, 0.2003



0.9176, 0.3904, 0.1924

Previews

White Background



This preview shows how the Yxy color 39.9434, 0.2095, 0.2567 looks on a white background.

Color Contrast Check

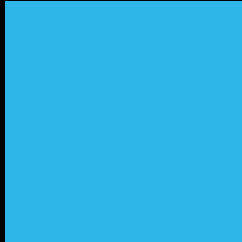
Large Text (above 18pt) WCAG AA × Fail

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 39.9434, 0.2095, 0.2567 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

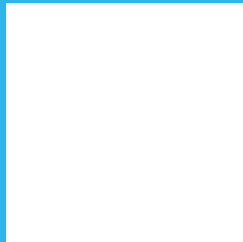
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9434, 0.2095, 0.2567

Background



This preview shows how black text looks on a background with the Yxy color 39.9434, 0.2095, 0.2567.

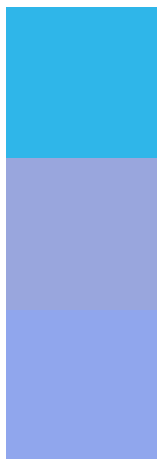


This preview shows how white text looks on a background with the Yxy color 39.9434, 0.2095, 0.2567.

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

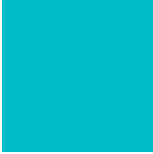
39.9434, 0.2095, 0.2567

Protanopia

39.2652, 0.2603, 0.2567

Deuteranopia

39.3162, 0.2445, 0.2378



Tritanopia

39.8049, 0.2182, 0.3055

Trichromacy



Original Color

39.9434, 0.2095, 0.2567

Protanomaly

38.5187, 0.2343, 0.2558

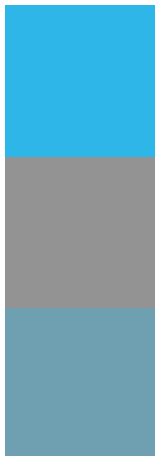
Deuteranomaly

38.8124, 0.2263, 0.2426

Tritanomaly

39.6212, 0.2140, 0.2866

Monochromacy



Original Color

39.9434, 0.2095, 0.2567

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.7355, 0.2569, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9434, 0.2095, 0.2567 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(47, 182, 233)` looks like.

```
.text, #text, p{  
    color:rgb(47, 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(47, 182, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 182, 233) }
```

Border

The CSS property to change the border of an element to Yxy 39.9434, 0.2095, 0.2567 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(47, 182, 233) }
```

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

```
.border{ border-color:rgb(47, 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(47, 182, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 182, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 182, 233);  
box-shadow:4px 4px 4px 4px rgb(47, 182,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9434, 0.2095, 0.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 182, 233) }
```

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

```
.background{ background-color: rgb(47, 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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