

Converting Colors

$Y_{xy}(33.8616, 0.2000, 0.2306)$

Have a look what the booklet for
Yxy(33.8616, 0.2000, 0.2306)
contains.

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Color

Yxy(33.9427, 0.2001, 0.2310)

Conversions

Conversions Part 1

Format	Color
Hex	20A7EB
RGB	32, 167, 235
RGB Percent	13%, 65%, 92%
CMY	0.8755, 0.3450, 0.0785
CMYK	0.86, 0.29, 0.00, 0.08
HSL	200°, 84%, 52%
HSV	200°, 86%, 92%
XYZ	29.4023, 33.9427, 83.5931
YIQ	134.3870, -102.2880, -7.4720

Conversions

Conversions Part 2

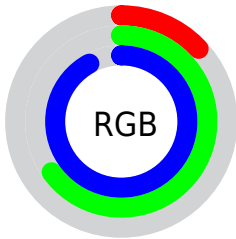
Format	Color
R _Y B	32, 113, 235
Decimal	2140139
CIE Lab	64.92, -10.62, -43.62
CIE LCh	65, 44.896, 256.312
Yxy	33.9427, 0.2001, 0.2310
Android (android.graphics.Color)	4280330219 (0xFF20A7EB)
YUV	134.3870, 49.6022, -89.7934
Hunter-Lab	58.2604, -11.8719, -44.2882

Details

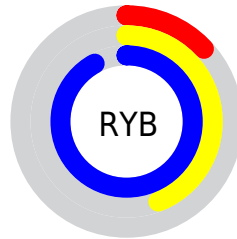
The Yxy color **33.9427, 0.2001, 0.2310** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **26.8241, 0.5551, 0.3814**, and the grayscale version is **23.8052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1074, 0.2346, 0.2889**, and **15.5161, 0.1911, 0.2078** is the 20% darker color. If you saturate the color by 10%, you get **30.9010, 0.1945, 0.2183**, and if you desaturate by 10%, it is **37.4280, 0.2078, 0.2439**.

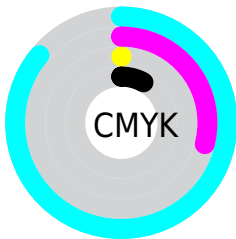
Distribution



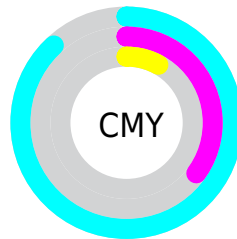
- Red (13%)
- Green (65%)
- Blue (92%)



- Red (13%)
- Yellow (44%)
- Blue (92%)



- Cyan (86%)
- Magenta (29%)
- Yellow (0%)
- Black (8%)




- Cyan (88%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9427, 0.2001, 0.2310 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 33.9427, 0.2001, 0.2310 by changing the saturation by 10% instead.


 33.9427, 0.2001,
0.2310

 33.9427, 0.2001,
0.2310


319.8765, 0.2558,
0.2811

 22.8496, 0.1869,
0.2186


 65.8446, 0.2199,
0.2492

 14.4825, 0.1704,
0.2030


 87.4221, 0.2275,
0.2561


 8.4570, 0.1497,
0.1828


 113.2632, 0.2340,
0.2619

 4.3887, 0.1232,
0.1562

 143.7523, 0.2396,
0.2668

 1.8933, 0.0894,
0.1207

 179.2738, 0.2444,
0.2711

 0.5443, 0.0336,
0.0708

220.2120, 0.2487,

 0.0000, 0.0000,

0.2749

0.0000

266.9515, 0.2524,
0.2782

■ 33.9427, 0.2001,
0.2310

■ 33.9427, 0.2001,
0.2310

■ 30.9010, 0.1945,
0.2183

■ 37.4280, 0.2078,
0.2439

■ 29.9092, 0.1928,
0.2139

■ 41.4062, 0.2176,
0.2568

■ 45.9210, 0.2292,
0.2695

■ 51.0089, 0.2423,
0.2818

■ 56.7026, 0.2566,
0.2935

■ 63.0318, 0.2717,
0.3044

■ 70.0239, 0.2871,
0.3144

■ 77.7043, 0.3027,
0.3236

■ 86.0971, 0.3181,
0.3318

Harmonies

Analogous

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



33.9427, 0.1913, 0.2661



33.9427, 0.2001, 0.2310



33.9427, 0.2350, 0.2223

Triad

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



33.9427, 0.2001, 0.2310



33.9427, 0.4256, 0.3157



33.9427, 0.3192, 0.4502

Complementary

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



33.9427, 0.2001, 0.2310



26.8241, 0.5551, 0.3814

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.



33.9427, 0.3850, 0.4524



33.9427, 0.2001, 0.2310



33.9427, 0.4513, 0.3678

Square

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



33.9427, 0.2001, 0.2310



33.9427, 0.3648, 0.2695



33.9427, 0.4345, 0.4178



33.9427, 0.2551, 0.4008

Rectangle

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



33.9427, 0.2001, 0.2310



33.9427, 0.2718, 0.2294



33.9427, 0.4345, 0.4178



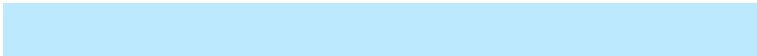
33.9427, 0.3419, 0.4563

Sweetspot

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



33.9438, 0.2001, 0.2310



76.1799, 0.2723, 0.3048



60.6258, 0.2829, 0.5267



15.7170, 0.2669, 0.3011



0.0000, 0.0000, 0.0000



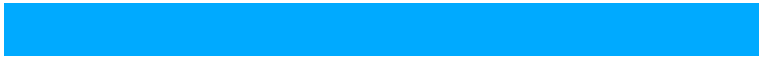
21.4041, 0.3127, 0.3290

Same Dimension

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



33.9438, 0.2001, 0.2310



35.8630, 0.1926, 0.2134



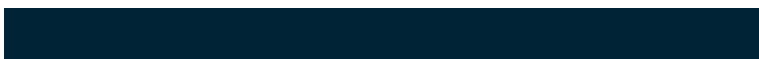
10.1524, 0.1632, 0.0946



16.2239, 0.2981, 0.3209



16.8914, 0.1933, 0.2159



1.5022, 0.1982, 0.2334

Inverse Universe

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



21.4706, 0.4104, 0.2111



24.1515, 0.4304, 0.2145



59.5919, 0.4436, 0.4769



15.2231, 0.3189, 0.3134



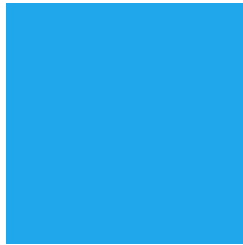
11.1980, 0.4276, 0.2129



0.8971, 0.4091, 0.2027

Previews

White Background



This preview shows how the Yxy color 33.9427, 0.2001, 0.2310 looks on a white background.

Color Contrast Check

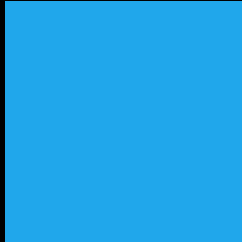
Large Text (above 18pt) WCAG AA × Fail

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 33.9427, 0.2001, 0.2310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

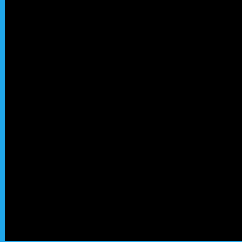
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

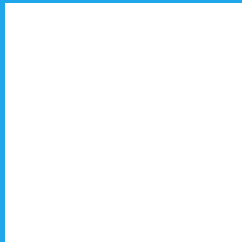
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.9427, 0.2001, 0.2310

Background



This preview shows how black text looks on a background with the Yxy color 33.9427, 0.2001, 0.2310.

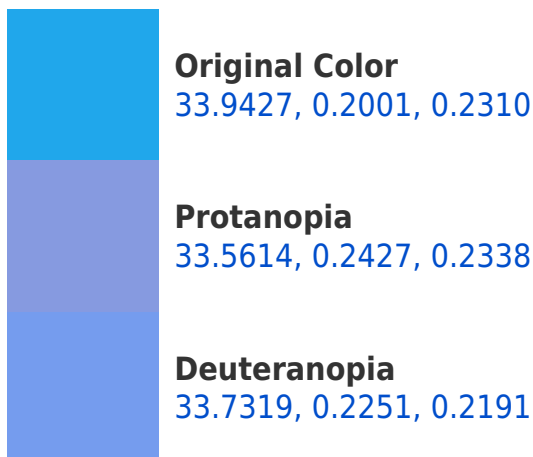


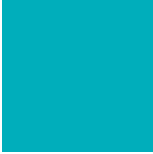
This preview shows how white text looks on a background with the Yxy color 33.9427, 0.2001, 0.2310.

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

33.8600, 0.2187, 0.3071

Trichromacy



Original Color

33.9427, 0.2001, 0.2310

Protanomaly

32.9391, 0.2201, 0.2314

Deuteranomaly

33.2345, 0.2116, 0.2219

Tritanomaly

33.5636, 0.2109, 0.2764

Monochromacy



Original Color

33.9427, 0.2001, 0.2310

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

26.0394, 0.2480, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9427, 0.2001, 0.2310 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(32, 167, 235)` looks like.

```
.text, #text, p{  
    color:rgb(32, 167, 235)  
}
```

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(32, 167, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 167, 235) }
```

Border

The CSS property to change the border of an element to Yxy 33.9427, 0.2001, 0.2310 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(32, 167, 235) }
```

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

```
.border{ border-color:rgb(32, 167, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 167, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 167, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 167, 235);  
box-shadow:4px 4px 4px 4px rgb(32, 167,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9427, 0.2001, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 167, 235) }
```

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

```
.background{ background-color: rgb(32, 167,  
235) }
```

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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