

Converting Colors

$Y_{xy}(33.3161, 0.1952, 0.2131)$

Have a look what the booklet for
Yxy(33.3161, 0.1952, 0.2131)
contains.

Yxy(33.2331, 0.1949, 0.2123)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.2331, 0.1949, 0.2123)

Conversions

Conversions Part 1

Format	Color
Hex	21A3F7
RGB	33, 163, 247
RGB Percent	13%, 64%, 97%
CMY	0.8709, 0.3608, 0.0314
CMYK	0.87, 0.34, 0.00, 0.03
HSL	204°, 93%, 55%
HSV	204°, 87%, 97%
XYZ	30.5093, 33.2331, 92.7960
YIQ	133.7060, -104.4440, -1.4360

Conversions

Conversions Part 2

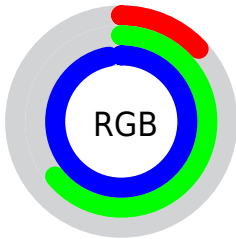
Format	Color
R _Y B	33, 114, 247
Decimal	2204663
CIE Lab	64.35, -3.98, -51.09
CIE LCh	64, 51.243, 265.540
Yxy	33.2331, 0.1949, 0.2123
Android (android.graphics.Color)	4280394743 (0xFF21A3F7)
YUV	133.7060, 55.8539, -88.3192
Hunter-Lab	57.6482, -6.4161, -55.0851

Details

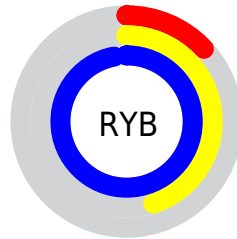
The Yxy color **33.2331, 0.1949, 0.2123** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **32.5824, 0.5425, 0.3930**, and the grayscale version is **23.5392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2144, 0.2347, 0.2840**, and **15.3060, 0.1857, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **29.6547, 0.1886, 0.1974**, and if you desaturate by 10%, it is **37.3745, 0.2034, 0.2276**.

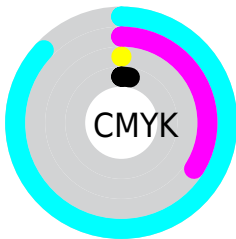
Distribution



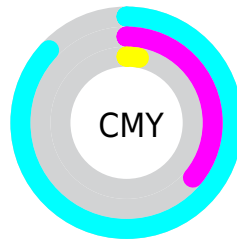
- Red (13%)
- Green (64%)
- Blue (97%)



- Red (13%)
- Yellow (45%)
- Blue (97%)



- Cyan (87%)
- Magenta (34%)
- Yellow (0%)
- Black (3%)





- Cyan (87%)
- Magenta (36%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2331, 0.1949, 0.2123 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 33.2331, 0.1949, 0.2123 by changing the saturation by 10% instead.


 33.2331, 0.1949,
0.2123

 33.2331, 0.1949,
0.2123


316.6988, 0.2530,
0.2705

 22.3051, 0.1813,
0.1985


 64.7393, 0.2155,
0.2331


 14.0812, 0.1645,
0.1813


 86.0862, 0.2234,
0.2410


 8.1772, 0.1435,
0.1597


 111.6749, 0.2301,
0.2478

 4.2085, 0.1172,
0.1322

 141.8898, 0.2359,
0.2536

 1.7909, 0.0843,
0.0974

 177.1152, 0.2410,
0.2587

 0.4815, 0.0377,
0.0504

217.7356, 0.2455,

 0.0000, 0.0000,

0.2631

0.0000

264.1353, 0.2494,
0.2670

■ 33.2331, 0.1949,
0.2123

■ 33.2331, 0.1949,
0.2123

■ 29.6547, 0.1886,
0.1974

■ 37.3745, 0.2034,
0.2276

■ 28.5574, 0.1868,
0.1926

■ 42.1381, 0.2140,
0.2430

■ 47.5753, 0.2264,
0.2582

■ 53.7298, 0.2403,
0.2728

■ 60.6407, 0.2553,
0.2867

■ 68.3436, 0.2709,
0.2997

■ 76.8712, 0.2867,
0.3116

■ 86.2544, 0.3024,
0.3224

■ 96.4816, 0.3176,
0.3321

Harmonies

Analogous

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



33.2331, 0.1761, 0.2409



33.2331, 0.1949, 0.2123



33.2331, 0.2420, 0.2115

Triad

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



33.2331, 0.1949, 0.2123



33.2331, 0.4567, 0.3299



33.2331, 0.2949, 0.4584

Complementary

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



33.2331, 0.1949, 0.2123



32.5824, 0.5425, 0.3930

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.



33.2331, 0.3711, 0.4758



33.2331, 0.1949, 0.2123



33.2331, 0.4697, 0.3883

Square

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



33.2331, 0.1949, 0.2123



33.2331, 0.3965, 0.2761



33.2331, 0.4357, 0.4430



33.2331, 0.2277, 0.3866

Rectangle

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



33.2331, 0.1949, 0.2123



33.2331, 0.2881, 0.2243



33.2331, 0.4357, 0.4430



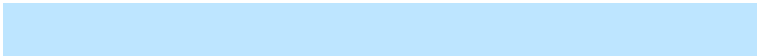
33.2331, 0.3203, 0.4711

Sweetspot

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



33.2342, 0.1949, 0.2123



74.0332, 0.2719, 0.3005



68.0766, 0.2792, 0.5139



15.2058, 0.2664, 0.2961



0.0000, 0.0000, 0.0000



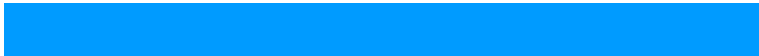
21.4041, 0.3127, 0.3290

Same Dimension

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



33.2342, 0.1949, 0.2123



30.6490, 0.1868, 0.1923



10.0524, 0.1605, 0.0853



17.6027, 0.2980, 0.3195



15.3886, 0.1875, 0.1950



1.5523, 0.1927, 0.2136

Inverse Universe

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



23.5007, 0.4301, 0.2221



23.6252, 0.4541, 0.2275



72.1342, 0.4351, 0.4847



16.6517, 0.3198, 0.3147



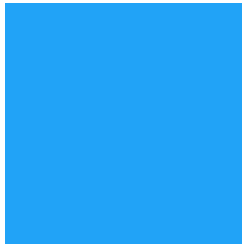
11.6529, 0.4510, 0.2258



1.0443, 0.4302, 0.2144

Previews

White Background



This preview shows how the Yxy color 33.2331, 0.1949, 0.2123 looks on a white background.

Color Contrast Check

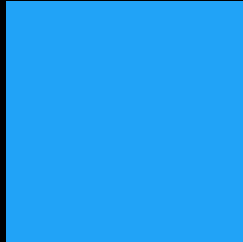
Large Text (above 18pt) WCAG AA × Fail

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 33.2331, 0.1949, 0.2123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

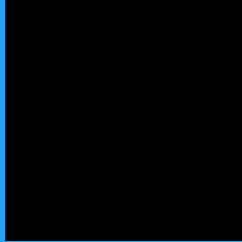
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

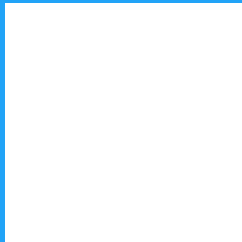
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2331, 0.1949, 0.2123

Background



This preview shows how black text looks on a background with the Yxy color 33.2331, 0.1949, 0.2123.



This preview shows how white text looks on a background with the Yxy color 33.2331, 0.1949, 0.2123.

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

33.2331, 0.1949, 0.2123

Protanopia

32.8560, 0.2287, 0.2157

Deuteranopia

32.9916, 0.2113, 0.2046



Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

33.2331, 0.1949, 0.2123

Protanomaly

32.3520, 0.2108, 0.2126

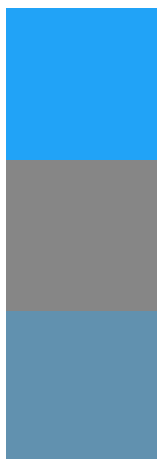
Deuteranomaly

32.7675, 0.2030, 0.2069

Tritanomaly

33.0082, 0.2084, 0.2674

Monochromacy



Original Color

33.2331, 0.1949, 0.2123

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.8873, 0.2450, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2331, 0.1949, 0.2123 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(33, 163, 247)` looks like.

```
.text, #text, p{  
    color:rgb(33, 163, 247)  
}
```

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(33, 163, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 163, 247) }
```

Border

The CSS property to change the border of an element to Yxy 33.2331, 0.1949, 0.2123 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(33, 163, 247) }
```

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

```
.border{ border-color:rgb(33, 163, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 163, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 163, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 163, 247);  
box-shadow:4px 4px 4px 4px rgb(33, 163,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2331, 0.1949, 0.2123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 163, 247) }
```

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

```
.background{ background-color: rgb(33, 163,  
247) }
```

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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