

Converting Colors

$Y_{xy}(31.0167, 0.1943, 0.2168)$

Have a look what the booklet for
Yxy(31.0167, 0.1943, 0.2168)
contains.

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Color

Yxy(30.9380, 0.1944, 0.2171)

Conversions

Conversions Part 1

Format	Color
Hex	0D9FEC
RGB	13, 159, 236
RGB Percent	5%, 62%, 93%
CMY	0.9491, 0.3765, 0.0745
CMYK	0.94, 0.33, 0.00, 0.07
HSL	201°, 90%, 49%
HSV	201°, 94%, 93%
XYZ	27.7031, 30.9380, 83.8646
YIQ	124.1240, -111.7330, -7.0050

Conversions

Conversions Part 2

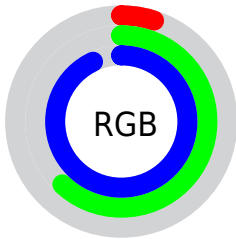
Format	Color
R _Y B	13, 101, 236
Decimal	892908
CIE Lab	62.46, -6.66, -48.06
CIE LCh	62, 48.522, 262.115
Yxy	30.9380, 0.1944, 0.2171
Android (android.graphics.Color)	4279082988 (0xFF0D9FEC)
YUV	124.1240, 55.1549, -97.4557
Hunter-Lab	55.6219, -8.4345, -50.4598

Details

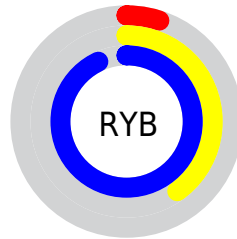
The Yxy color **30.9380, 0.1944, 0.2171** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **25.1696, 0.5744, 0.3773**, and the grayscale version is **20.0392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1235, 0.2302, 0.2772**, and **14.0204, 0.1868, 0.1926** is the 20% darker color. If you saturate the color by 10%, you get **29.3395, 0.1917, 0.2100**, and if you desaturate by 10%, it is **34.1345, 0.2006, 0.2303**.

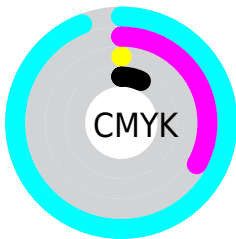
Distribution



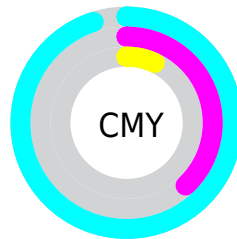
- Red (5%)
- Green (62%)
- Blue (93%)



- Red (5%)
- Yellow (40%)
- Blue (93%)



- Cyan (94%)
- Magenta (33%)
- Yellow (0%)
- Black (7%)



- Cyan (95%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9380, 0.1944, 0.2171 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 30.9380, 0.1944, 0.2171 by changing the saturation by 10% instead.

 30.9380, 0.1944,
0.2171


 30.9380, 0.1944,
0.2171


306.2526, 0.2534,
0.2741

 20.5516, 0.1803,
0.2032


 61.1424, 0.2155,
0.2377

 12.7967, 0.1629,
0.1857


 81.7293, 0.2235,
0.2455


 7.2887, 0.1409,
0.1634


 106.4852, 0.2304,
0.2521

 3.6433, 0.1131,
0.1346

 135.7944, 0.2363,
0.2578

 1.4761, 0.0784,
0.0975

 170.0413, 0.2414,
0.2627

 0.2718, 0.0131,
0.0372

209.6104, 0.2459,

 0.0000, 0.0000,

0.2670

0.0000

254.8860, 0.2499,
0.2707

■ 30.9380, 0.1944,
0.2171

■ 30.9380, 0.1944,
0.2171

■ 29.3395, 0.1917,
0.2100

■ 34.1345, 0.2006,
0.2303

■ 37.7987, 0.2089,
0.2436

■ 41.9822, 0.2192,
0.2570

■ 46.7267, 0.2313,
0.2701

■ 52.0687, 0.2448,
0.2827

■ 58.0408, 0.2594,
0.2946

■ 64.6728, 0.2747,
0.3057

■ 71.9922, 0.2902,
0.3159

■ 80.0247, 0.3058,
0.3251

Harmonies

Analogous

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



30.9380, 0.1792, 0.2487



30.9380, 0.1944, 0.2171



30.9380, 0.2374, 0.2133

Triad

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



30.9380, 0.1944, 0.2171



30.9380, 0.4478, 0.3240



30.9380, 0.3042, 0.4589

Complementary

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



30.9380, 0.1944, 0.2171



25.1696, 0.5744, 0.3773

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.



30.9380, 0.3780, 0.4698



30.9380, 0.1944, 0.2171



30.9380, 0.4664, 0.3809

Square

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



30.9380, 0.1944, 0.2171



30.9380, 0.3855, 0.2722



30.9380, 0.4382, 0.4349



30.9380, 0.2366, 0.3943

Rectangle

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



30.9380, 0.1944, 0.2171



30.9380, 0.2806, 0.2241



30.9380, 0.4382, 0.4349



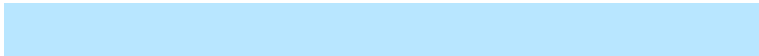
30.9380, 0.3291, 0.4690

Sweetspot

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



30.9390, 0.1944, 0.2171



74.1497, 0.2691, 0.3018



60.7674, 0.2853, 0.5436



15.1436, 0.2625, 0.2969



0.0000, 0.0000, 0.0000



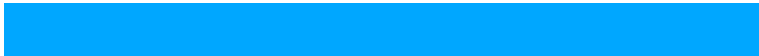
21.4041, 0.3127, 0.3290

Same Dimension

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



30.9390, 0.1944, 0.2171



34.8444, 0.1915, 0.2095



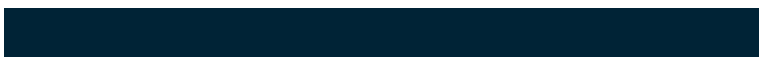
8.4357, 0.1567, 0.0803



16.1955, 0.2981, 0.3207



16.4238, 0.1923, 0.2121



1.4679, 0.1973, 0.2301

Inverse Universe

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



20.6230, 0.4259, 0.2143



24.0487, 0.4347, 0.2168



58.6287, 0.4495, 0.4787



15.2203, 0.3191, 0.3137



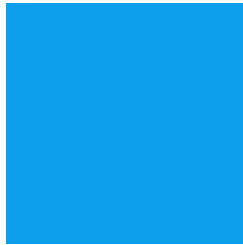
11.1508, 0.4318, 0.2152



0.8936, 0.4125, 0.2046

Previews

White Background



This preview shows how the Yxy color 30.9380, 0.1944, 0.2171 looks on a white background.

Color Contrast Check

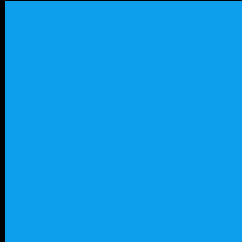
Large Text (above 18pt) WCAG AA × Fail

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 30.9380, 0.1944, 0.2171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

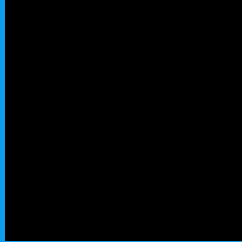
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

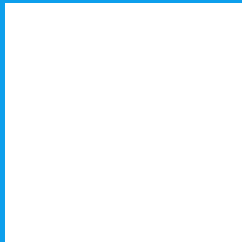
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9380, 0.1944, 0.2171

Background



This preview shows how black text looks on a background with the Yxy color 30.9380, 0.1944, 0.2171.



This preview shows how white text looks on a background with the Yxy color 30.9380, 0.1944, 0.2171.

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

30.9380, 0.1944, 0.2171

Protanopia

30.5694, 0.2325, 0.2198

Deuteranopia

30.7524, 0.2148, 0.2083



Tritanopia

30.8921, 0.2189, 0.3080

Trichromacy



Original Color

30.9380, 0.1944, 0.2171

Protanomaly

29.6854, 0.2100, 0.2156

Deuteranomaly

30.1621, 0.2027, 0.2099

Tritanomaly

30.7533, 0.2087, 0.2701

Monochromacy



Original Color

30.9380, 0.1944, 0.2171

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.4928, 0.2400, 0.2784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9380, 0.1944, 0.2171 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(13, 159, 236)` looks like.

```
.text, #text, p{  
    color:rgb(13, 159, 236)  
}
```

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(13, 159, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 159, 236) }
```

Border

The CSS property to change the border of an element to Yxy 30.9380, 0.1944, 0.2171 is called "border". The border property can be set on classes, ids or directly on the HTML element.

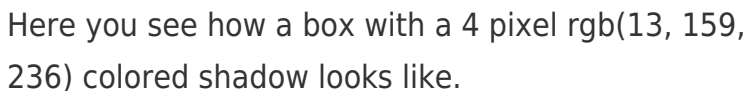
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(13, 159, 236) }
```

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

```
.border{ border-color:rgb(13, 159, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(13, 159, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 159, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 159, 236);  
box-shadow:4px 4px 4px 4px rgb(13, 159,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9380, 0.1944, 0.2171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 159, 236) }
```

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

```
.background{ background-color: rgb(13, 159,  
236) }
```

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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