

Converting Colors

$Yxy(36.3028, 0.1968, 0.2145)$

Have a look what the booklet for
Yxy(36.3028, 0.1968, 0.2145)
contains.

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Color

Yxy(36.4830, 0.1968, 0.2149)

Conversions

Conversions Part 1

Format	Color
Hex	2BAAFF
RGB	43, 170, 255
RGB Percent	17%, 67%, 100%
CMY	0.8324, 0.3333, 0.0001
CMYK	0.83, 0.33, 0.00, 0.00
HSL	204°, 100%, 58%
HSV	204°, 83%, 100%
XYZ	33.4102, 36.4830, 99.8741
YIQ	141.7170, -102.9770, -0.4890

Conversions

Conversions Part 2

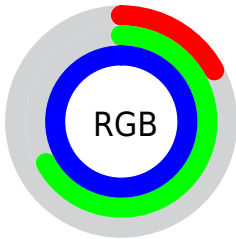
Format	Color
RYB	43, 122, 255
Decimal	2861823
CIELab	66.89, -4.40, -51.42
CIElCh	67, 51.603, 265.107
Yxy	36.4830, 0.1968, 0.2149
Android (android.graphics.Color)	4281051903 (0xFF2BAAFF)
YUV	141.7170, 55.8485, -86.5748
Hunter-Lab	60.4012, -6.9668, -55.7560

Details

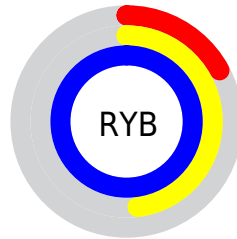
The Yxy color **36.4830, 0.1968, 0.2149** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **36.7926, 0.5312, 0.3960**, and the grayscale version is **26.7117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3555, 0.2389, 0.2930**, and **17.0341, 0.1862, 0.1902** is the 20% darker color. If you saturate the color by 10%, you get **32.4171, 0.1897, 0.1995**, and if you desaturate by 10%, it is **41.1914, 0.2061, 0.2306**.

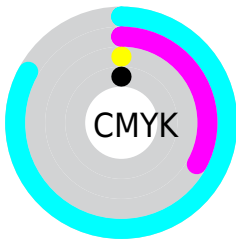
Distribution



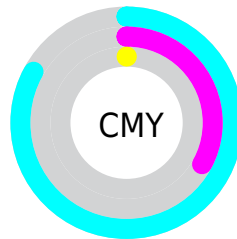
- Red (17%)
- Green (67%)
- Blue (100%)



- Red (17%)
- Yellow (48%)
- Blue (100%)



- Cyan (83%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (83%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4830, 0.1968, 0.2149 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 36.4830, 0.1968, 0.2149 by changing the saturation by 10% instead.


 36.4830, 0.1968,
0.2149


 36.4830, 0.1968,
0.2149


331.0667, 0.2531,
0.2711


 24.8075, 0.1838,
0.2017


 69.7769, 0.2166,
0.2348


 15.9337, 0.1678,
0.1854


 92.1641, 0.2242,
0.2424


 9.4772, 0.1479,
0.1650


 118.8906, 0.2308,
0.2490

 5.0537, 0.1230,
0.1391

 150.3408, 0.2365,
0.2546

 2.2788, 0.0919,
0.1062

 186.8991, 0.2414,
0.2595

 0.7625, 0.0532,
0.0658

228.9500, 0.2458,

 0.0000, 0.0000,

0.2639

0.0000

276.8777, 0.2497,
0.2677

■ 36.4830, 0.1968,
0.2149

■ 36.4830, 0.1968,
0.2149

■ 32.4171, 0.1897,
0.1995

■ 41.1914, 0.2061,
0.2306

■ 29.9710, 0.1860,
0.1894

■ 46.6011, 0.2175,
0.2463

■ 52.7652, 0.2306,
0.2618

■ 59.7297, 0.2451,
0.2765

■ 67.5356, 0.2604,
0.2904

■ 76.2206, 0.2762,
0.3033

■ 85.8197, 0.2921,
0.3151

■ 96.3658, 0.3077,
0.3258

■ 99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



36.4830, 0.1788, 0.2436



36.4830, 0.1968, 0.2149



36.4830, 0.2428, 0.2137

Triad

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



36.4830, 0.1968, 0.2149



36.4830, 0.4528, 0.3294



36.4830, 0.2966, 0.4556

Complementary

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



36.4830, 0.1968, 0.2149



36.7926, 0.5312, 0.3960

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.



36.4830, 0.3712, 0.4721



36.4830, 0.1968, 0.2149



36.4830, 0.4664, 0.3867

Square

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



36.4830, 0.1968, 0.2149



36.4830, 0.3935, 0.2766



36.4830, 0.4340, 0.4402



36.4830, 0.2305, 0.3865

Rectangle

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



36.4830, 0.1968, 0.2149



36.4830, 0.2877, 0.2260



36.4830, 0.4340, 0.4402



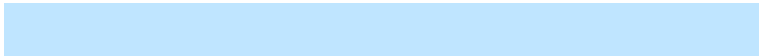
36.4830, 0.3216, 0.4677

Sweetspot

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



36.4842, 0.1968, 0.2149



74.6330, 0.2734, 0.3012



73.5668, 0.2772, 0.5020



15.3114, 0.2678, 0.2967



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.



36.4842, 0.1968, 0.2149



29.9753, 0.1860, 0.1894



11.3907, 0.1631, 0.0890



19.1898, 0.2979, 0.3193



15.9630, 0.1866, 0.1919



1.7683, 0.1914, 0.2091

Inverse Universe

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



25.8694, 0.4267, 0.2237



23.5572, 0.4574, 0.2294



80.1386, 0.4300, 0.4853



18.1700, 0.3200, 0.3148



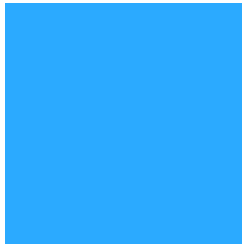
12.3394, 0.4546, 0.2278



1.2231, 0.4351, 0.2171

Previews

White Background



This preview shows how the Yxy color 36.4830, 0.1968, 0.2149 looks on a white background.

Color Contrast Check

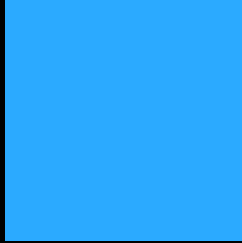
Large Text (above 18pt) WCAG AA × Fail

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 36.4830, 0.1968, 0.2149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

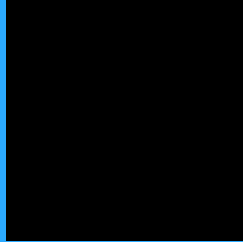
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

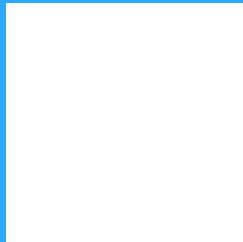
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4830, 0.1968, 0.2149

Background



This preview shows how black text looks on a background with the Yxy color 36.4830, 0.1968, 0.2149.



This preview shows how white text looks on a background with the Yxy color 36.4830, 0.1968, 0.2149.

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

36.4830, 0.1968, 0.2149

Protanopia

36.2141, 0.2306, 0.2184

Deuteranopia

36.3119, 0.2152, 0.2096



Tritanopia

36.4928, 0.2188, 0.3078

Trichromacy



Original Color

36.4830, 0.1968, 0.2149

Protanomaly

35.6866, 0.2133, 0.2154

Deuteranomaly

36.0616, 0.2061, 0.2109

Tritanomaly

36.1187, 0.2089, 0.2681

Monochromacy



Original Color

36.4830, 0.1968, 0.2149

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.9395, 0.2480, 0.2791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4830, 0.1968, 0.2149 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(43, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(43, 170, 255)  
}
```

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(43, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.4830, 0.1968, 0.2149 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(43, 170, 255) }
```

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

```
.border{ border-color:rgb(43, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(43, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4830, 0.1968, 0.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 170, 255) }
```

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

```
.background{ background-color: rgb(43, 170,  
255) }
```

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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