

Converting Colors

$Y_{xy}(36.1726, 0.1962, 0.2138)$

Have a look what the booklet for
Yxy(36.1726, 0.1962, 0.2138)
contains.

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Color

Yxy(36.0674, 0.1961, 0.2134)

Conversions

Conversions Part 1

Format	Color
Hex	29A9FF
RGB	41, 169, 255
RGB Percent	16%, 66%, 100%
CMY	0.8399, 0.3372, 0.0001
CMYK	0.84, 0.34, 0.00, 0.00
HSL	204°, 100%, 58%
HSV	204°, 84%, 100%
XYZ	33.1435, 36.0674, 99.8022
YIQ	140.5320, -103.8940, -0.3900

Conversions

Conversions Part 2

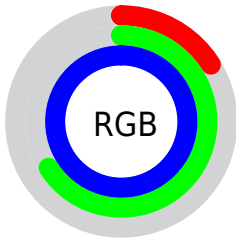
Format	Color
R _Y B	41, 121, 255
Decimal	2730495
CIE Lab	66.57, -3.98, -51.91
CIE LCh	67, 52.066, 265.615
Yxy	36.0674, 0.1961, 0.2134
Android (android.graphics.Color)	4280920575 (0xFF29A9FF)
YUV	140.5320, 56.4327, -87.2896
Hunter-Lab	60.0561, -6.5886, -56.4898

Details

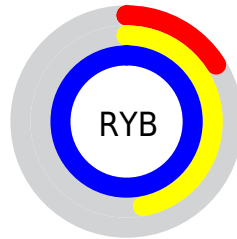
The Yxy color **36.0674, 0.1961, 0.2134** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **36.5378, 0.5331, 0.3960**, and the grayscale version is **26.2312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7423, 0.2382, 0.2917**, and **16.7998, 0.1857, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **32.0443, 0.1892, 0.1980**, and if you desaturate by 10%, it is **40.7292, 0.2053, 0.2291**.

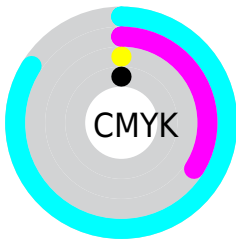
Distribution



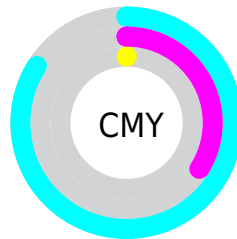
- Red (16%)
- Green (66%)
- Blue (100%)



- Red (16%)
- Yellow (47%)
- Blue (100%)



- Cyan (84%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0674, 0.1961, 0.2134 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 36.0674, 0.1961, 0.2134 by changing the saturation by 10% instead.

 36.0674, 0.1961,
0.2134


 36.0674, 0.1961,
0.2134


329.2550, 0.2528,
0.2703


 24.4863, 0.1830,
0.2000


 69.1361, 0.2160,
0.2335


 15.6947, 0.1669,
0.1836


 91.3924, 0.2237,
0.2413


 9.3084, 0.1469,
0.1629


 117.9759, 0.2303,
0.2479

 4.9429, 0.1218,
0.1368

 149.2710, 0.2361,
0.2536

 2.2138, 0.0905,
0.1038

 185.6621, 0.2411,
0.2586

 0.7275, 0.0516,
0.0631

227.5335, 0.2455,

 0.0000, 0.0000,

0.2630

0.0000

275.2697, 0.2494,
0.2669

■ 36.0674, 0.1961,
0.2134

■ 36.0674, 0.1961,
0.2134

■ 32.0443, 0.1892,
0.1980

■ 40.7292, 0.2053,
0.2291

■ 29.8799, 0.1859,
0.1890

■ 46.0894, 0.2165,
0.2449

■ 52.2019, 0.2296,
0.2604

■ 59.1131, 0.2439,
0.2753

■ 66.8642, 0.2592,
0.2893

■ 75.4935, 0.2750,
0.3023

■ 85.0360, 0.2909,
0.3143

■ 95.5248, 0.3066,
0.3250

■ 99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



36.0674, 0.1774, 0.2418



36.0674, 0.1961, 0.2134



36.0674, 0.2429, 0.2126

Triad

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



36.0674, 0.1961, 0.2134



36.0674, 0.4552, 0.3302



36.0674, 0.2950, 0.4566

Complementary

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



36.0674, 0.1961, 0.2134



36.5378, 0.5331, 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.



36.0674, 0.3704, 0.4741



36.0674, 0.1961, 0.2134



36.0674, 0.4681, 0.3881

Square

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



36.0674, 0.1961, 0.2134



36.0674, 0.3958, 0.2768



36.0674, 0.4345, 0.4421



36.0674, 0.2285, 0.3858

Rectangle

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



36.0674, 0.1961, 0.2134



36.0674, 0.2887, 0.2254



36.0674, 0.4345, 0.4421



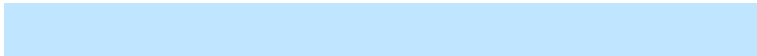
36.0674, 0.3202, 0.4692

Sweetspot

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



36.0686, 0.1961, 0.2134



74.5951, 0.2734, 0.3011



73.4920, 0.2773, 0.5037



15.3023, 0.2678, 0.2966



0.0000, 0.0000, 0.0000



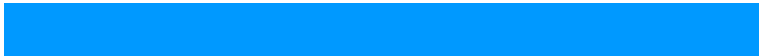
21.4041, 0.3127, 0.3290

Same Dimension

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



36.0686, 0.1961, 0.2134



29.8860, 0.1859, 0.1890



11.1578, 0.1623, 0.0875



19.1864, 0.2979, 0.3192



15.9164, 0.1865, 0.1915



1.7639, 0.1913, 0.2088

Inverse Universe

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



25.6946, 0.4285, 0.2238



23.5481, 0.4579, 0.2296



80.0108, 0.4306, 0.4857



18.1697, 0.3200, 0.3149



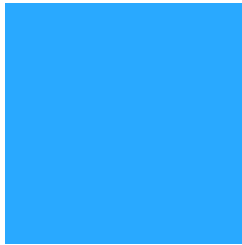
12.3347, 0.4550, 0.2280



1.2226, 0.4355, 0.2173

Previews

White Background



This preview shows how the Yxy color 36.0674, 0.1961, 0.2134 looks on a white background.

Color Contrast Check

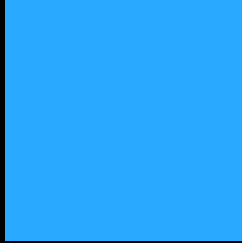
Large Text (above 18pt) WCAG AA × Fail

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 36.0674, 0.1961, 0.2134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

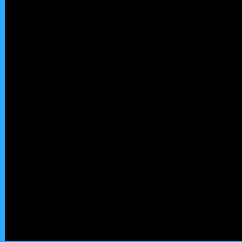
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

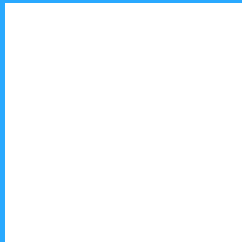
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.0674, 0.1961, 0.2134

Background



This preview shows how black text looks on a background with the Yxy color 36.0674, 0.1961, 0.2134.



This preview shows how white text looks on a background with the Yxy color 36.0674, 0.1961, 0.2134.

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

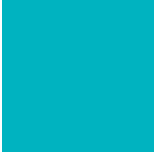
36.0674, 0.1961, 0.2134

Protanopia

35.7921, 0.2298, 0.2169

Deuteranopia

35.8355, 0.2139, 0.2080



Tritanopia

36.0460, 0.2188, 0.3077

Trichromacy



Original Color

36.0674, 0.1961, 0.2134

Protanomaly

35.2769, 0.2126, 0.2139

Deuteranomaly

35.6099, 0.2051, 0.2093

Tritanomaly

35.6678, 0.2087, 0.2678

Monochromacy



Original Color

36.0674, 0.1961, 0.2134

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

28.4537, 0.2470, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0674, 0.1961, 0.2134 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(41, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(41, 169, 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(41, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.0674, 0.1961, 0.2134 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(41, 169, 255) }
```

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

```
.border{ border-color:rgb(41, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0674, 0.1961, 0.2134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 169, 255) }
```

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

```
.background{ background-color: rgb(41, 169,  
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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