

# Converting Colors

$Yxy(34.2046, 0.1950, 0.2059)$

Have a look what the booklet for  
Yxy(34.2046, 0.1950, 0.2059)  
contains.

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# Color

**Yxy(34.3518, 0.1951, 0.2065)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EA4FF
RGB	46, 164, 255
RGB Percent	18%, 64%, 100%
CMY	0.8195, 0.3569, 0.0000
CMYK	0.82, 0.36, 0.00, 0.00
HSL	206°, 100%, 59%
HSV	206°, 82%, 100%
XYZ	32.4554, 34.3518, 99.5454
YIQ	139.0920, -99.5390, 3.2850

# Conversions

## Conversions Part 2

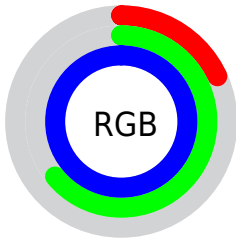
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	46, 121, 255
Decimal	3056895
CIE Lab	65.24, -0.70, -54.04
CIE LCh	65, 54.045, 269.260
Yxy	34.3518, 0.1951, 0.2065
Android (android.graphics.Color)	4281246975 (0xFF2EA4FF)
YUV	139.0920, 57.1426, -81.6417
Hunter-Lab	58.6104, -3.7242, -59.6723

# Details

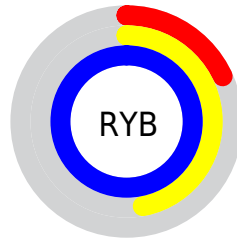
The Yxy color **34.3518, 0.1951, 0.2065** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **39.3599, 0.5195, 0.4034**, and the grayscale version is **25.6642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2430, 0.2378, 0.2856**, and **15.8875, 0.1837, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **30.1215, 0.1873, 0.1898**, and if you desaturate by 10%, it is **39.2796, 0.2052, 0.2237**.

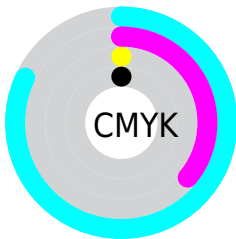
# Distribution



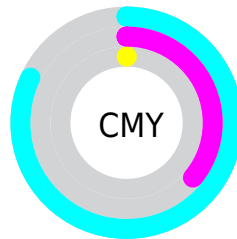
- Red (18%)
- Green (64%)
- Blue (100%)



- Red (18%)
- Yellow (47%)
- Blue (100%)



- Cyan (82%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (36%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3518, 0.1951, 0.2065 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 34.3518, 0.1951, 0.2065 by changing the saturation by 10% instead.





 34.3518, 0.1951,  
0.2065


 34.3518, 0.1951,  
0.2065


321.6979, 0.2527,  
0.2666


 23.1640, 0.1817,  
0.1925


 66.4804, 0.2154,  
0.2277


 14.7146, 0.1653,  
0.1753


 88.1899, 0.2232,  
0.2359

 8.6194, 0.1448,  
0.1539


 114.1755, 0.2299,  
0.2429

 4.4938, 0.1193,  
0.1270

 144.8216, 0.2357,  
0.2489

 1.9534, 0.0875,  
0.0936

180.5124, 0.2408,  
0.2542

 0.5802, 0.0475,  
0.0515

221.6325, 0.2452,

 0.0000, 0.0000,

0.2589

0.0000

268.5662, 0.2492,  
0.2630

■ 34.3518, 0.1951,  
0.2065

■ 34.3518, 0.1951,  
0.2065

■ 30.1215, 0.1873,  
0.1898

■ 39.2796, 0.2052,  
0.2237

■ 27.1509, 0.1825,  
0.1768

■ 44.9685, 0.2174,  
0.2409

■ 51.4713, 0.2312,  
0.2577

■ 58.8349, 0.2462,  
0.2737

■ 67.1016, 0.2620,  
0.2888

■ 76.3107, 0.2781,  
0.3028

■ 86.4985, 0.2941,  
0.3155

■ 97.6990, 0.3097,  
0.3269

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



34.3518, 0.1722, 0.2318



34.3518, 0.1951, 0.2065



34.3518, 0.2472, 0.2091

# Triad

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



34.3518, 0.1951, 0.2065



34.3518, 0.4675, 0.3367



34.3518, 0.2840, 0.4580

# Complementary

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



34.3518, 0.1951, 0.2065



39.3599, 0.5195, 0.4034

# 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.



34.3518, 0.3631, 0.4833



34.3518, 0.1951, 0.2065



34.3518, 0.4739, 0.3970

# Square

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



34.3518, 0.1951, 0.2065



34.3518, 0.4098, 0.2803



34.3518, 0.4330, 0.4528



34.3518, 0.2171, 0.3777



# Rectangle

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



34.3518, 0.1951, 0.2065



34.3518, 0.2969, 0.2242



34.3518, 0.4330, 0.4528



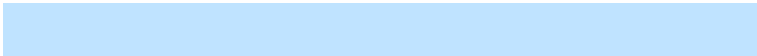
34.3518, 0.3101, 0.4738

# Sweetspot

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



34.3515, 0.1951, 0.2065



73.3968, 0.2732, 0.2986



73.8960, 0.2742, 0.4898



15.0161, 0.2675, 0.2938



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.



34.3515, 0.1951, 0.2065



27.8630, 0.1836, 0.1800



11.0299, 0.1631, 0.0865



19.0794, 0.2979, 0.3184



14.4896, 0.1832, 0.1795



1.6283, 0.1883, 0.1980



# Inverse Universe

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



25.8970, 0.4354, 0.2305



23.4513, 0.4683, 0.2362



84.4090, 0.4241, 0.4889



18.1589, 0.3205, 0.3157



12.1907, 0.4692, 0.2358



1.2089, 0.4475, 0.2239



# Previews

## White Background



This preview shows how the Yxy color 34.3518, 0.1951, 0.2065 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

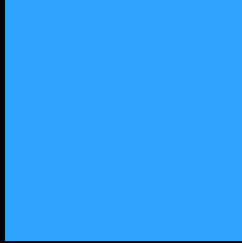
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.3518, 0.1951, 0.2065 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

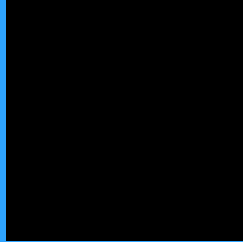
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

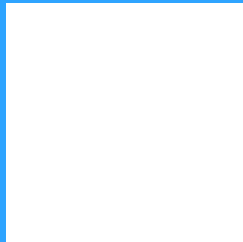
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 34.3518, 0.1951, 0.2065**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.3518, 0.1951, 0.2065.



This preview shows how white text looks on a background with the Yxy color 34.3518, 0.1951, 0.2065.

# 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

34.3518, 0.1951, 0.2065

### Protanopia

33.9760, 0.2242, 0.2095

### Deuteranopia

34.2151, 0.2086, 0.2027



## **Tritanopia**

34.2908, 0.2187, 0.3072

# Trichromacy



**Original Color**

34.3518, 0.1951, 0.2065

**Protanomaly**

33.7262, 0.2100, 0.2080

**Deuteranomaly**

33.9813, 0.2020, 0.2033

**Tritanomaly**

33.9985, 0.2082, 0.2654

# Monochromacy



**Original Color**

34.3518, 0.1951, 0.2065

**Achromatopsia**

25.8183, 0.3127, 0.3290

**Achromatomaly**

27.5193, 0.2476, 0.2752

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.3518, 0.1951, 0.2065 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(46, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 164, 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(46, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 164, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 34.3518, 0.1951, 0.2065 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(46, 164, 255) }
```

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

```
.border{ border-color:rgb(46, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 164,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.3518, 0.1951, 0.2065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 164, 255) }
```

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

```
.background{ background-color: rgb(46, 164,  
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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