

# Converting Colors

$Y_{xy}(41.5011, 0.2264, 0.2262)$

Have a look what the booklet for  
Yxy(41.5011, 0.2264, 0.2262)  
contains.

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# Color

**Yxy(41.5428, 0.2266, 0.2263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EADFF
RGB	126, 173, 255
RGB Percent	49%, 68%, 100%
CMY	0.5059, 0.3216, 0.0000
CMYK	0.51, 0.32, 0.00, 0.00
HSL	218°, 100%, 75%
HSV	218°, 51%, 100%
XYZ	41.5979, 41.5428, 100.4333
YIQ	168.2950, -54.3340, 15.5380

# Conversions

## Conversions Part 2

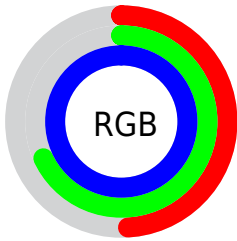
Format	Color
R <sub>Y</sub> B	126, 160, 255
Decimal	8302079
CIE Lab	70.55, 6.54, -45.45
CIE LCh	71, 45.922, 278.186
Yxy	41.5428, 0.2266, 0.2263
Android (android.graphics.Color)	4286492159 (0xFF7EADFF)
YUV	168.2950, 42.7456, -37.0927
Hunter-Lab	64.4537, 2.4084, -47.2695

# Details

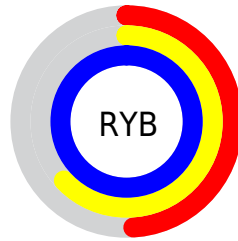
The Yxy color **41.5428, 0.2266, 0.2263** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.8808, 0.4102, 0.4121**, and the grayscale version is **39.1179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0211, 0.2696, 0.2992**, and **18.8758, 0.2041, 0.2005** is the 20% darker color. If you saturate the color by 10%, you get **34.0022, 0.2098, 0.2016**, and if you desaturate by 10%, it is **50.3345, 0.2443, 0.2501**.

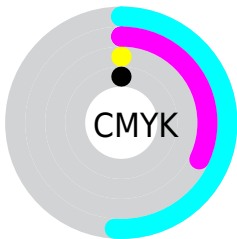
# Distribution



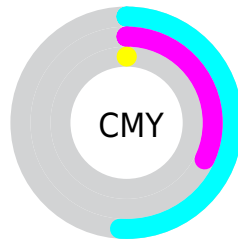
- Red (49%)
- Green (68%)
- Blue (100%)



- Red (49%)
- Yellow (63%)
- Blue (100%)



- Cyan (51%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)




- Cyan (51%)
- Magenta (32%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5428, 0.2266, 0.2263 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 41.5428, 0.2266, 0.2263 by changing the saturation by 10% instead.



 41.5428, 0.2266,  
0.2263


 41.5428, 0.2266,  
0.2263


352.5842, 0.2688,  
0.2756

 28.7435, 0.2166,  
0.2149


 77.5072, 0.2416,  
0.2436

 18.8868, 0.2042,  
0.2008


 101.4411, 0.2473,  
0.2503

 11.5885, 0.1884,  
0.1831


 129.8552, 0.2522,  
0.2560

 6.4642, 0.1680,  
0.1605

163.1340, 0.2564,  
0.2610

 3.1293, 0.1408,  
0.1311

201.6620, 0.2601,  
0.2653

 1.1996, 0.1045,  
0.0931

245.8233, 0.2633,

 0.0614, 0.0376,

0.2692

0.0106

296.0026, 0.2662,  
0.2726

0.0000, 0.0000,  
0.0000

41.5428, 0.2266,  
0.2263

41.5428, 0.2266,  
0.2263

34.0022, 0.2098,  
0.2016

50.3345, 0.2443,  
0.2501

27.6431, 0.1945,  
0.1767

60.4328, 0.2621,  
0.2725

22.3946, 0.1815,  
0.1528

71.8946, 0.2795,  
0.2930

18.1739, 0.1715,  
0.1309

84.7721, 0.2962,  
0.3116

15.0315, 0.1647,  
0.1127

99.1142, 0.3118,  
0.3281

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.



41.5428, 0.1995, 0.2415



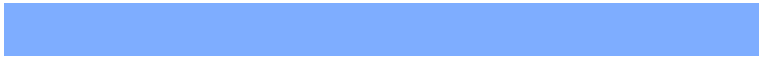
41.5428, 0.2266, 0.2263



41.5428, 0.2774, 0.2342

# Triad

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



41.5428, 0.2266, 0.2263



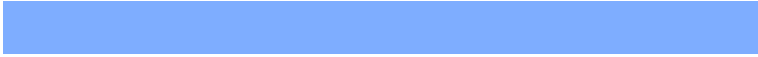
41.5428, 0.4428, 0.3531



41.5428, 0.2733, 0.4138

# Complementary

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



41.5428, 0.2266, 0.2263



67.8808, 0.4102, 0.4121

# 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.



41.5428, 0.3370, 0.4496



41.5428, 0.2266, 0.2263



41.5428, 0.4376, 0.4026

# Square

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



41.5428, 0.2266, 0.2263



41.5428, 0.4074, 0.3036



41.5428, 0.3975, 0.4410



41.5428, 0.2233, 0.3470



# Rectangle

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



41.5428, 0.2266, 0.2263



41.5428, 0.3210, 0.2506



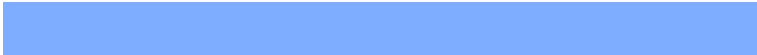
41.5428, 0.3975, 0.4410



41.5428, 0.2938, 0.4306

# Sweetspot

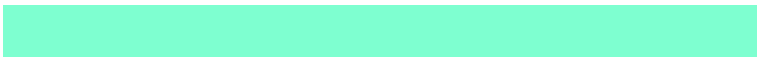
The Sweet Spot groups the original color and five complimentary colors.



41.5443, 0.2266, 0.2263



78.9093, 0.2889, 0.3036



80.4956, 0.2675, 0.3865



16.3119, 0.2854, 0.2997



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

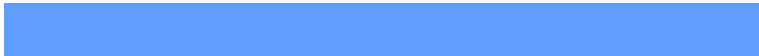


# Same Dimension

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



41.5443, 0.2266, 0.2263



33.7154, 0.2091, 0.2005



28.0018, 0.2263, 0.1718



18.4612, 0.2979, 0.3135



8.1126, 0.1655, 0.1157



0.9891, 0.1717, 0.1382



# Inverse Universe

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



39.2009, 0.4029, 0.2808



32.6736, 0.4331, 0.2734



91.1693, 0.3749, 0.4575



18.0965, 0.3237, 0.3204



11.5469, 0.5527, 0.2819



1.1444, 0.5215, 0.2647



# Previews

## White Background



This preview shows how the Yxy color 41.5428, 0.2266, 0.2263 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 41.5428, 0.2266, 0.2263 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

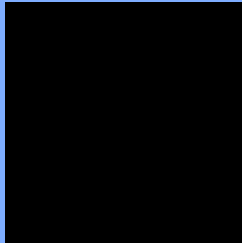
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

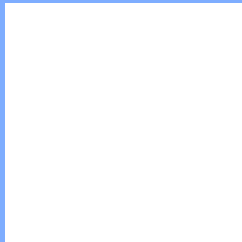
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.5428, 0.2266, 0.2263**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.5428, 0.2266, 0.2263.



This preview shows how white text looks on a background with the Yxy color 41.5428, 0.2266, 0.2263.

# 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

41.5428, 0.2266, 0.2263

### Protanopia

41.4240, 0.2378, 0.2268

### Deuteranopia

41.4967, 0.2310, 0.2249



## Tritanopia

41.5926, 0.2482, 0.3069

# Trichromacy



## Original Color

41.5428, 0.2266, 0.2263

## Protanomaly

41.2446, 0.2334, 0.2260

## Deuteranomaly

41.6306, 0.2295, 0.2258

## Tritanomaly

41.4018, 0.2401, 0.2748

# Monochromacy



## Original Color

41.5428, 0.2266, 0.2263

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

39.6919, 0.2750, 0.2878

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.5428, 0.2266, 0.2263 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(126, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 173, 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(126, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 173, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 41.5428, 0.2266, 0.2263 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(126, 173, 255) }
```

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

```
.border{ border-color:rgb(126, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 173, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 173, 255); box-shadow:4px 4px 4px 4px rgb(126, 173, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.5428, 0.2266, 0.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 173, 255) }
```

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

```
.background{ background-color: rgb(126,  
173, 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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