

# Converting Colors

$Yxy(61.3808, 0.2523, 0.2783)$

Have a look what the booklet for  
Yxy(61.3808, 0.2523, 0.2783)  
contains.

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# Color

**Yxy(61.5761, 0.2522, 0.2788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9ED4FF
RGB	158, 212, 255
RGB Percent	62%, 83%, 100%
CMY	0.3803, 0.1686, 0.0000
CMYK	0.38, 0.17, 0.00, 0.00
HSL	207°, 100%, 81%
HSV	207°, 38%, 100%
XYZ	55.7012, 61.5761, 103.5839
YIQ	200.7560, -45.9870, 1.9250

# Conversions

## Conversions Part 2

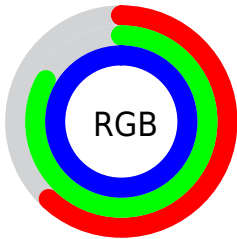
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 193, 255
Decimal	10409215
CIELab	82.69, -6.96, -26.55
CIELCh	83, 27.447, 255.316
Yxy	61.5761, 0.2522, 0.2788
Android (android.graphics.Color)	4288599295 (0xFF9ED4FF)
YUV	200.7560, 26.7423, -37.4970
Hunter-Lab	78.4704, -10.6174, -23.3357

# Details

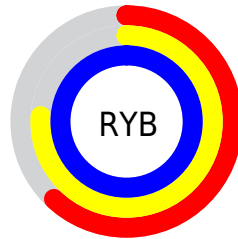
The Yxy color **61.5761, 0.2522, 0.2788** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.5168, 0.3898, 0.3739**, and the grayscale version is **58.1051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **31.0159, 0.2376, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **53.7956, 0.2368, 0.2628**, and if you desaturate by 10%, it is **70.2896, 0.2682, 0.2938**.

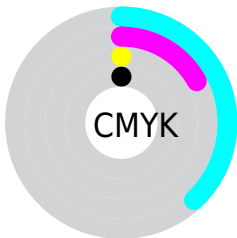
# Distribution



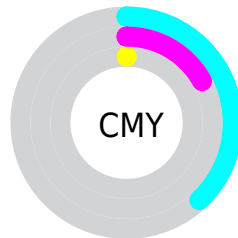
- Red (62%)
- Green (83%)
- Blue (100%)



- Red (62%)
- Yellow (76%)
- Blue (100%)



- Cyan (38%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (17%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.5761, 0.2522, 0.2788 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 61.5761, 0.2522, 0.2788 by changing the saturation by 10% instead.



61.5761, 0.2522,  
0.2788

61.5761, 0.2522,  
0.2788

430.3832, 0.2803,  
0.3027

44.6903, 0.2458,  
0.2732

107.1126, 0.2620,  
0.2872

31.2135, 0.2379,  
0.2663

136.5321, 0.2658,  
0.2904

20.7615, 0.2279,  
0.2576

170.8983, 0.2690,  
0.2932

12.9498, 0.2151,  
0.2460

210.5956, 0.2719,  
0.2956

7.3940, 0.1978,  
0.2303

256.0083, 0.2744,  
0.2977

3.7097, 0.1738,  
0.2078

307.5208, 0.2766,

1.5125, 0.1389,

0.2995

0.1739

365.5177, 0.2786,  
0.3012

0.2975, 0.0356,  
0.0938

0.0000, 0.0000,  
0.0000

61.5761, 0.2522,  
0.2788

61.5761, 0.2522,  
0.2788

53.7956, 0.2368,  
0.2628

70.2896, 0.2682,  
0.2938

46.9058, 0.2223,  
0.2459

79.9737, 0.2843,  
0.3075

40.8615, 0.2093,  
0.2285

90.6646, 0.3003,  
0.3199

35.6119, 0.1982,  
0.2110

100.0000, 0.3127,  
0.3290

■ 31.0981, 0.1894,  
0.1938

■ 27.2431, 0.1828,  
0.1772

■ 26.5414, 0.1817,  
0.1740

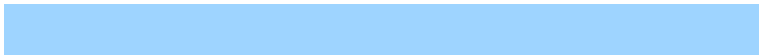
# Harmonies

## Analogous

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



61.5761, 0.2479, 0.2999



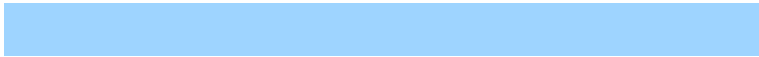
61.5761, 0.2522, 0.2788



61.5761, 0.2717, 0.2717

# Triad

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



61.5761, 0.2522, 0.2788



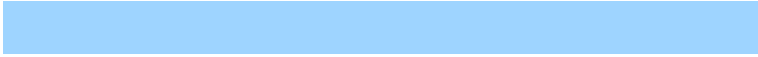
61.5761, 0.3681, 0.3231



61.5761, 0.3195, 0.3870

# Complementary

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



61.5761, 0.2522, 0.2788



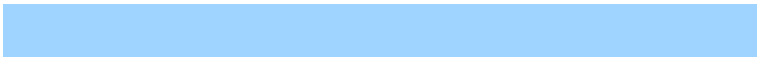
65.5168, 0.3898, 0.3739

# 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.



61.5761, 0.3529, 0.3909



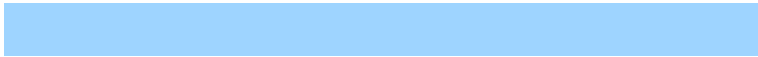
61.5761, 0.2522, 0.2788



61.5761, 0.3821, 0.3519

# Square

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



61.5761, 0.2522, 0.2788



61.5761, 0.3384, 0.2969



61.5761, 0.3762, 0.3770

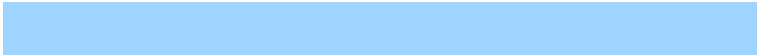


61.5761, 0.2855, 0.3644



# Rectangle

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



61.5761, 0.2522, 0.2788



61.5761, 0.2915, 0.2748



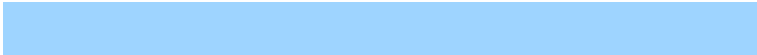
61.5761, 0.3762, 0.3770



61.5761, 0.3311, 0.3905

# Sweetspot

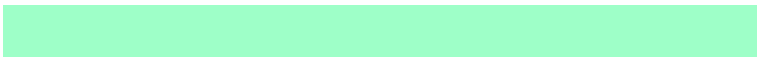
The Sweet Spot groups the original color and five complimentary colors.



61.5764, 0.2522, 0.2788



87.3814, 0.2956, 0.3164



82.9640, 0.2861, 0.3936



18.3890, 0.2934, 0.3147



0.0000, 0.0000, 0.0000

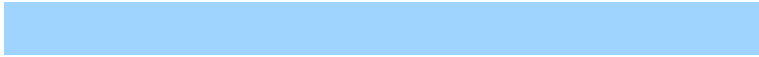


21.4041, 0.3127, 0.3290

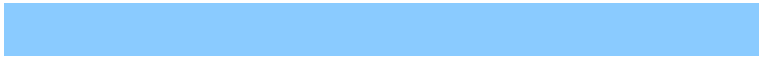


# Same Dimension

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



61.5764, 0.2522, 0.2788



55.3010, 0.2398, 0.2661



41.2185, 0.2435, 0.2205



19.0545, 0.2979, 0.3182



14.1712, 0.1824, 0.1767



1.5978, 0.1877, 0.1955



# Inverse Universe

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



50.4756, 0.3544, 0.2737



43.6619, 0.3669, 0.2624



91.1938, 0.3722, 0.4183



18.1564, 0.3207, 0.3158



12.1585, 0.4725, 0.2377

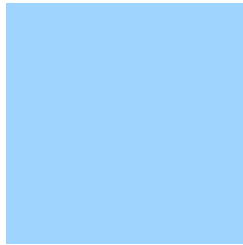


1.2058, 0.4504, 0.2255



# Previews

## White Background



This preview shows how the Yxy color 61.5761, 0.2522, 0.2788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

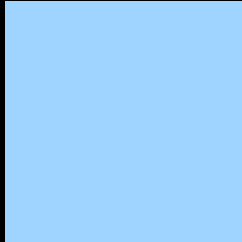
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.5761, 0.2522, 0.2788 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

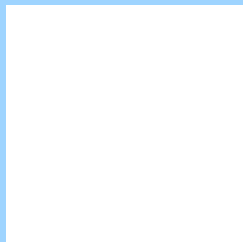
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.5761, 0.2522, 0.2788**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.5761, 0.2522, 0.2788.



This preview shows how white text looks on a background with the Yxy color 61.5761, 0.2522, 0.2788.

# 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

61.5761, 0.2522, 0.2788

### Protanopia

61.1535, 0.2767, 0.2776

### Deuteranopia

61.1354, 0.2756, 0.2696



## Tritanopia

61.6703, 0.2609, 0.3082

# Trichromacy



## Original Color

61.5761, 0.2522, 0.2788

## Protanomaly

61.0527, 0.2674, 0.2778

## Deuteranomaly

61.0730, 0.2663, 0.2727

## Tritanomaly

61.8218, 0.2577, 0.2977

# Monochromacy



## Original Color

61.5761, 0.2522, 0.2788

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

59.1974, 0.2873, 0.3099

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  61.5761, 0.2522, 0.2788 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(158, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 212, 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(158, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 212, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 61.5761, 0.2522, 0.2788 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(158, 212, 255) }
```

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

```
.border{ border-color:rgb(158, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 212,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.5761, 0.2522, 0.2788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 212, 255) }
```

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

```
.background{ background-color: rgb(158,  
212, 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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