

# Converting Colors

$Yxy(56.7442, 0.2518, 0.2662)$

Have a look what the booklet for  
Yxy(56.7442, 0.2518, 0.2662)  
contains.

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# **Color**

**Yxy(56.5704, 0.2519, 0.2657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C9FF
RGB	161, 201, 255
RGB Percent	63%, 79%, 100%
CMY	0.3687, 0.2117, 0.0000
CMYK	0.37, 0.21, 0.00, 0.00
HSL	214°, 100%, 82%
HSV	214°, 37%, 100%
XYZ	53.6322, 56.5704, 102.7082
YIQ	195.1960, -41.1740, 8.3140

# Conversions

## Conversions Part 2

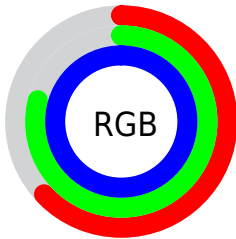
Format	Color
R <sub>Y</sub> B	161, 189, 255
Decimal	10603007
CIE Lab	79.94, -0.35, -30.74
CIE LCh	80, 30.738, 269.348
Yxy	56.5704, 0.2519, 0.2657
Android (android.graphics.Color)	4288793087 (0xFFA1C9FF)
YUV	195.1960, 29.4834, -29.9899
Hunter-Lab	75.2133, -4.3405, -28.3147

# Details

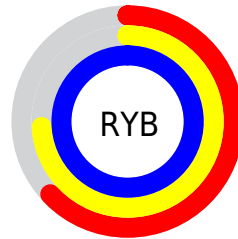
The Yxy color **56.5704, 0.2519, 0.2657** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.4193, 0.3822, 0.3846**, and the grayscale version is **54.5340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **28.0088, 0.2372, 0.2501** is the 20% darker color. If you saturate the color by 10%, you get **47.6822, 0.2348, 0.2447**, and if you desaturate by 10%, it is **66.6527, 0.2691, 0.2852**.

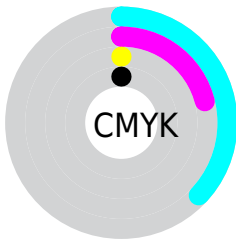
# Distribution



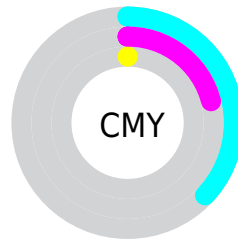
- Red (63%)
- Green (79%)
- Blue (100%)



- Red (63%)
- Yellow (74%)
- Blue (100%)



- Cyan (37%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (21%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5704, 0.2519, 0.2657 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 56.5704, 0.2519, 0.2657 by changing the saturation by 10% instead.



■ 56.5704, 0.2519,  
0.2657

■ 56.5704, 0.2519,  
0.2657

411.8376, 0.2807,  
0.2957

■ 40.6604, 0.2453,  
0.2588

■ 99.8381, 0.2620,  
0.2762

■ 28.0538, 0.2370,  
0.2502

■ 127.9646, 0.2658,  
0.2802

■ 18.3663, 0.2266,  
0.2393

160.9320, 0.2692,  
0.2837

■ 11.2133, 0.2130,  
0.2251

199.1248, 0.2721,  
0.2867

■ 6.2105, 0.1946,  
0.2059

242.9274, 0.2746,  
0.2894

■ 2.9735, 0.1689,  
0.1789

292.7241, 0.2769,

■ 1.1179, 0.1313,

0.2917

0.1394

348.8994, 0.2789,  
0.2938

0.0000, 0.0000,  
0.0000

56.5704, 0.2519,  
0.2657

56.5704, 0.2519,  
0.2657

47.6822, 0.2348,  
0.2447

66.6527, 0.2691,  
0.2852

39.9324, 0.2184,  
0.2226

77.9722, 0.2859,  
0.3030

33.2669, 0.2033,  
0.2000

90.5752, 0.3021,  
0.3190

27.6242, 0.1902,  
0.1775

100.0000, 0.3127,  
0.3290

22.9347, 0.1795,  
0.1561

■ 19.1142, 0.1717,  
0.1363

■ 18.0642, 0.1696,  
0.1305

# Harmonies

## Analogous

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



56.5704, 0.2387, 0.2821



56.5704, 0.2519, 0.2657



56.5704, 0.2809, 0.2655

# Triad

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



56.5704, 0.2519, 0.2657



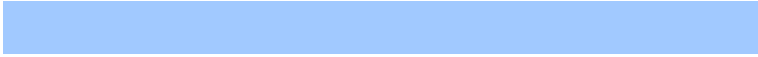
56.5704, 0.3870, 0.3373



56.5704, 0.3013, 0.3865

# Complementary

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



56.5704, 0.2519, 0.2657



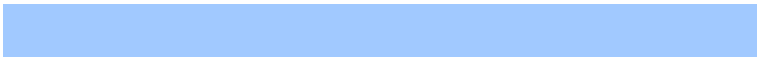
72.4193, 0.3822, 0.3846

# 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.



56.5704, 0.3413, 0.4014



56.5704, 0.2519, 0.2657



56.5704, 0.3924, 0.3692

# Square

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



56.5704, 0.2519, 0.2657



56.5704, 0.3599, 0.3054



56.5704, 0.3751, 0.3936



56.5704, 0.2658, 0.3526



# Rectangle

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



56.5704, 0.2519, 0.2657



56.5704, 0.3066, 0.2736



56.5704, 0.3751, 0.3936



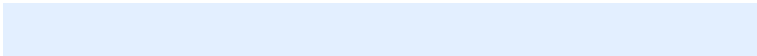
56.5704, 0.3147, 0.3940

# Sweetspot

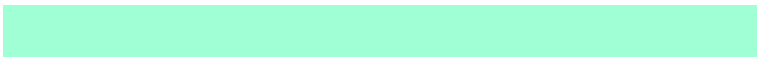
The Sweet Spot groups the original color and five complimentary colors.



56.5719, 0.2519, 0.2657



85.2125, 0.2955, 0.3126



83.9632, 0.2805, 0.3760



17.8725, 0.2933, 0.3105



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

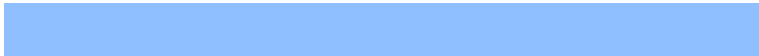


# Same Dimension

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



56.5719, 0.2519, 0.2657



50.1151, 0.2397, 0.2509



40.9453, 0.2491, 0.2181



18.6491, 0.2979, 0.3150



9.7204, 0.1704, 0.1336



1.1577, 0.1766, 0.1556



# Inverse Universe

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



50.9602, 0.3642, 0.2876



44.5875, 0.3788, 0.2796



94.1830, 0.3640, 0.4224



18.1154, 0.3227, 0.3189



11.7092, 0.5278, 0.2681

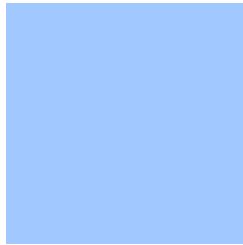


1.1614, 0.4987, 0.2521



# Previews

## White Background



This preview shows how the Yxy color 56.5704, 0.2519, 0.2657 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 56.5704, 0.2519, 0.2657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

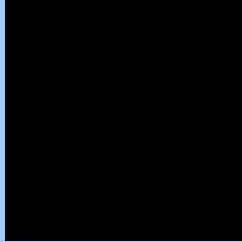
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

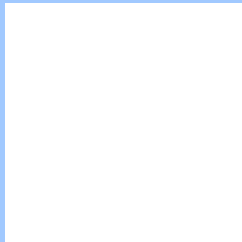
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.5704, 0.2519, 0.2657**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.5704, 0.2519, 0.2657.



This preview shows how white text looks on a background with the Yxy color 56.5704, 0.2519, 0.2657.

# 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

56.5704, 0.2519, 0.2657

### Protanopia

56.6352, 0.2675, 0.2662

### Deuteranopia

56.2427, 0.2663, 0.2601



## Tritanopia

56.7257, 0.2655, 0.3088

# Trichromacy



## Original Color

56.5704, 0.2519, 0.2657

## Protanomaly

56.6465, 0.2621, 0.2667

## Deuteranomaly

56.4996, 0.2609, 0.2625

## Tritanomaly

56.7287, 0.2603, 0.2922

# Monochromacy



## Original Color

56.5704, 0.2519, 0.2657

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

55.0095, 0.2881, 0.3047

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.5704, 0.2519, 0.2657 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(161, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 201, 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(161, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 201, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 56.5704, 0.2519, 0.2657 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(161, 201, 255) }
```

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

```
.border{ border-color:rgb(161, 201, 255) }
```

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

Here you see how a box with a 4 pixel rgb(161, 201, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 201,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.5704, 0.2519, 0.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 201, 255) }
```

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

```
.background{ background-color: rgb(161,  
201, 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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