

# Converting Colors

$Yxy(65.7532, 0.2658, 0.2956)$

Have a look what the booklet for  
Yxy(65.7532, 0.2658, 0.2956)  
contains.

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# Color

**Yxy(65.7424, 0.2657, 0.2956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADDAF7
RGB	173, 218, 247
RGB Percent	68%, 85%, 97%
CMY	0.3216, 0.1451, 0.0314
CMYK	0.30, 0.12, 0.00, 0.03
HSL	204°, 82%, 82%
HSV	204°, 30%, 97%
XYZ	59.0925, 65.7424, 97.5683
YIQ	207.8510, -36.1290, -0.5210

# Conversions

## Conversions Part 2

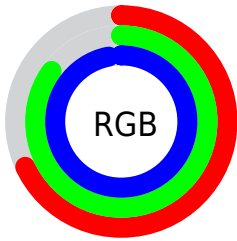
Format	Color
<b>RYB</b>	173, 201, 247
Decimal	11393783
CIELab	84.86, -8.02, -18.91
CIELCh	85, 20.542, 247.026
Yxy	65.7424, 0.2657, 0.2956
Android (android.graphics.Color)	4289583863 (0xFFADDAF7)
YUV	207.8510, 19.3005, -30.5643
Hunter-Lab	81.0817, -11.8017, -14.5885

# Details

The Yxy color **65.7424, 0.2657, 0.2956** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.0289, 0.3711, 0.3601**, and the grayscale version is **62.8665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **33.8779, 0.2547, 0.2865** is the 20% darker color. If you saturate the color by 10%, you get **58.3109, 0.2503, 0.2823**, and if you desaturate by 10%, it is **73.9927, 0.2815, 0.3078**.

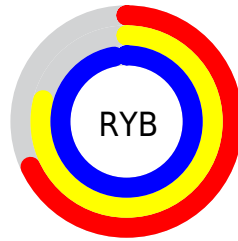
# Distribution



Red (68%)

Green (85%)

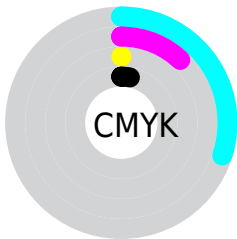
Blue (97%)



Red (68%)

Yellow (79%)

Blue (97%)

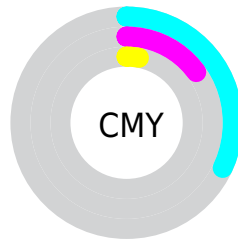


Cyan (30%)

Magenta (12%)

Yellow (0%)

Black (3%)



Cyan (32%)

Magenta (15%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7424, 0.2657, 0.2956 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 65.7424, 0.2657, 0.2956 by changing the saturation by 10% instead.



■ 65.7424, 0.2657,  
0.2956

■ 65.7424, 0.2657,  
0.2956

445.4551, 0.2875,  
0.3115

■ 48.0633, 0.2607,  
0.2919

■ 113.1165, 0.2732,  
0.3012

■ 33.8770, 0.2546,  
0.2873

143.5804, 0.2762,  
0.3033

■ 22.7991, 0.2469,  
0.2813

179.0746, 0.2787,  
0.3052

■ 14.4453, 0.2369,  
0.2735

219.9836, 0.2809,  
0.3068

■ 8.4310, 0.2233,  
0.2627

266.6917, 0.2829,  
0.3082

■ 4.3720, 0.2041,  
0.2470

319.5834, 0.2846,

■ 1.8837, 0.1753,

0.3094

0.2222

379.0431, 0.2861,  
0.3105

0.5386, 0.1018,  
0.1734

0.0000, 0.0000,  
0.0000

65.7424, 0.2657,  
0.2956

65.7424, 0.2657,  
0.2956

58.3109, 0.2503,  
0.2823

73.9927, 0.2815,  
0.3078

51.6566, 0.2356,  
0.2682

83.0854, 0.2973,  
0.3190

45.7456, 0.2222,  
0.2533

93.0523, 0.3128,  
0.3290

40.5376, 0.2103,  
0.2381

99.4953, 0.3173,  
0.3367

■ 35.9868, 0.2004,  
0.2227

■ 32.0400, 0.1927,  
0.2075

■ 28.6123, 0.1869,  
0.1928

■ 28.5989, 0.1869,  
0.1927

# Harmonies

## Analogous

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



65.7424, 0.2659, 0.3140



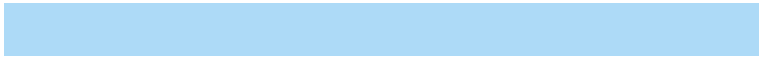
65.7424, 0.2657, 0.2956



65.7424, 0.2775, 0.2869

# Triad

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



65.7424, 0.2657, 0.2956



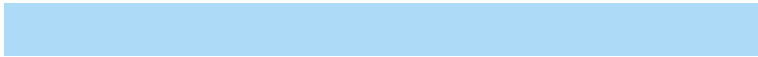
65.7424, 0.3481, 0.3192



65.7424, 0.3252, 0.3731

# Complementary

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



65.7424, 0.2657, 0.2956



65.0289, 0.3711, 0.3601

# 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.



65.7424, 0.3481, 0.3727



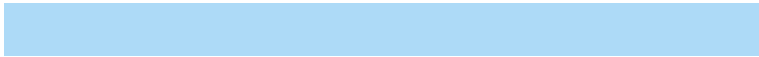
65.7424, 0.2657, 0.2956



65.7424, 0.3619, 0.3407

# Square

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



65.7424, 0.2657, 0.2956



65.7424, 0.3247, 0.3006



65.7424, 0.3618, 0.3604



65.7424, 0.2995, 0.3601



# Rectangle

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



65.7424, 0.2657, 0.2956



65.7424, 0.2908, 0.2871



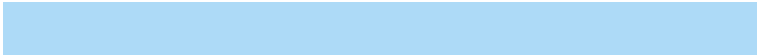
65.7424, 0.3618, 0.3604



65.7424, 0.3335, 0.3745

# Sweetspot

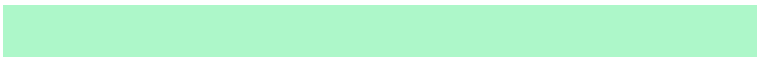
The Sweet Spot groups the original color and five complimentary colors.



65.7450, 0.2657, 0.2956



90.3006, 0.2987, 0.3200



79.6391, 0.2932, 0.3822



19.0079, 0.2965, 0.3184



0.0000, 0.0000, 0.0000

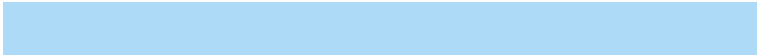


21.4041, 0.3127, 0.3290

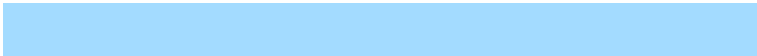


# Same Dimension

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



65.7450, 0.2657, 0.2956



65.7073, 0.2562, 0.2876



48.9054, 0.2607, 0.2516



17.6042, 0.2980, 0.3195



15.4098, 0.1876, 0.1952



1.5540, 0.1927, 0.2137



# Inverse Universe

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



54.7232, 0.3398, 0.2819



52.6416, 0.3472, 0.2721



84.1530, 0.3604, 0.3961



16.6519, 0.3198, 0.3147



11.6550, 0.4508, 0.2257

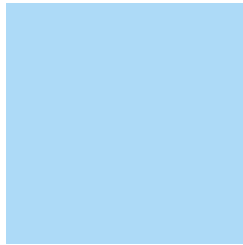


1.0445, 0.4300, 0.2143



# Previews

## White Background



This preview shows how the Yxy color 65.7424, 0.2657, 0.2956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

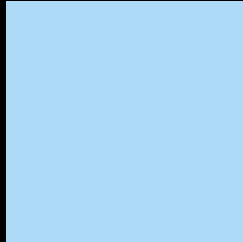
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.7424, 0.2657, 0.2956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

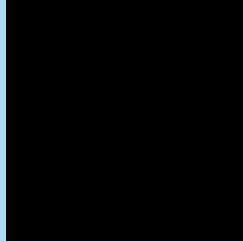
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

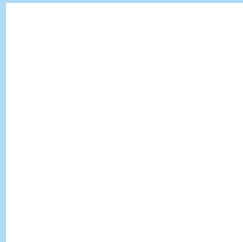
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.7424, 0.2657, 0.2956**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7424, 0.2657, 0.2956.

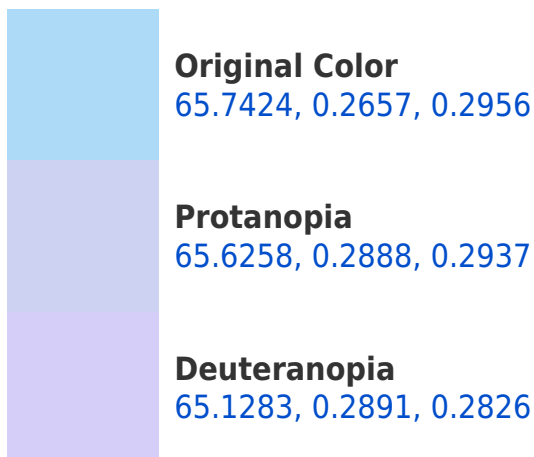


This preview shows how white text looks on a background with the Yxy color 65.7424, 0.2657, 0.2956.

# 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





## Tritanopia

65.9588, 0.2702, 0.3090

# Trichromacy



## Original Color

65.7424, 0.2657, 0.2956

## Protanomaly

65.5895, 0.2798, 0.2942

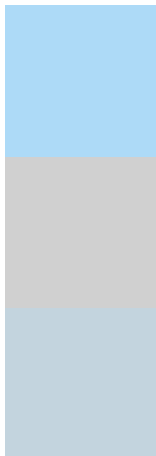
## Deuteranomaly

64.8763, 0.2798, 0.2869

## Tritanomaly

65.7846, 0.2685, 0.3034

# Monochromacy



## Original Color

65.7424, 0.2657, 0.2956

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.9630, 0.2939, 0.3174

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7424, 0.2657, 0.2956 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(173, 218, 247)` looks like.

```
.text, #text, p{  
    color:rgb(173, 218, 247)  
}
```

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(173, 218, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 218, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7424, 0.2657, 0.2956 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(173, 218, 247) }
```

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

```
.border{ border-color:rgb(173, 218, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 218, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 218, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 218, 247);  
box-shadow:4px 4px 4px 4px rgb(173, 218,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7424, 0.2657, 0.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 218, 247) }
```

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

```
.background{ background-color: rgb(173,  
218, 247) }
```

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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