

# Converting Colors

$Yxy(78.3155, 0.2653, 0.3246)$

Have a look what the booklet for  
Yxy(78.3155, 0.2653, 0.3246)  
contains.

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# Color

**Yxy(78.1574, 0.2652, 0.3243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5F2F6
RGB	165, 242, 246
RGB Percent	65%, 95%, 96%
CMY	0.3528, 0.0510, 0.0352
CMYK	0.33, 0.02, 0.00, 0.04
HSL	183°, 82%, 81%
HSV	183°, 33%, 96%
XYZ	63.9141, 78.1574, 98.9319
YIQ	219.4330, -47.1760, -15.0800

# Conversions

## Conversions Part 2

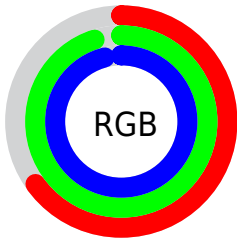
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 204, 246
Decimal	10875638
CIE <sub>Lab</sub>	90.85, -22.52, -9.48
CIE <sub>LCh</sub>	91, 24.434, 202.840
Yxy	78.1574, 0.2652, 0.3243
Android (android.graphics.Color)	4289065718 (0xFFA5F2F6)
YUV	219.4330, 13.0975, -47.7377
Hunter-Lab	88.4067, -25.6641, -4.4641

# Details

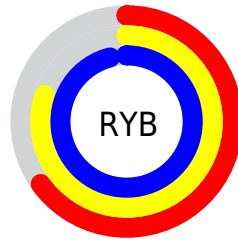
The Yxy color **78.1574, 0.2652, 0.3243** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.7249, 0.3882, 0.3336**, and the grayscale version is **71.0957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **42.0867, 0.2544, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **75.0421, 0.2533, 0.3227**, and if you desaturate by 10%, it is **81.7914, 0.2785, 0.3258**.

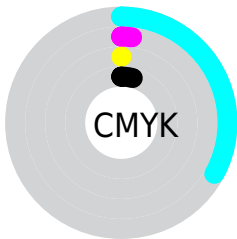
# Distribution



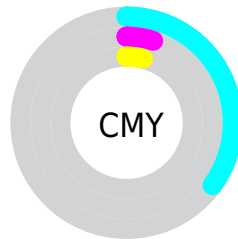
- Red (65%)
- Green (95%)
- Blue (96%)



- Red (65%)
- Yellow (80%)
- Blue (96%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)




- Cyan (35%)
- Magenta (5%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1574, 0.2652, 0.3243 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 78.1574, 0.2652, 0.3243 by changing the saturation by 10% instead.




 78.1574, 0.2652,  
0.3243

 78.1574, 0.2652,  
0.3243

488.7012, 0.2866,  
0.3269

 58.2033, 0.2605,  
0.3236


 130.7720, 0.2725,  
0.3253

 41.9721, 0.2547,  
0.3228

 164.2012, 0.2754,  
0.3256

 29.0794, 0.2475,  
0.3216


202.8910, 0.2779,  
0.3259

 19.1409, 0.2383,  
0.3200

247.2257, 0.2800,  
0.3261

 11.7722, 0.2261,  
0.3176

297.5896, 0.2820,  
0.3264

 6.5887, 0.2093,  
0.3139

354.3673, 0.2837,

 3.2063, 0.1847,

0.3265

417.9430, 0.2852,  
0.3267

0.3073

1.2403, 0.1412,  
0.2957

0.0943, 0.0000,  
0.1096

78.1574, 0.2652,  
0.3243

78.1574, 0.2652,  
0.3243

75.0421, 0.2533,  
0.3227

81.7914, 0.2785,  
0.3258

72.4068, 0.2432,  
0.3210

85.9615, 0.2929,  
0.3273

70.2226, 0.2348,  
0.3193

90.6959, 0.3082,  
0.3286

68.4533, 0.2285,  
0.3176

94.3781, 0.3184,  
0.3299

■ 67.0572, 0.2240,  
0.3159

■ 95.1309, 0.3184,  
0.3310

■ 65.9837, 0.2214,  
0.3143

■ 95.8886, 0.3183,  
0.3322

■ 65.3650, 0.2203,  
0.3131

■ 96.6513, 0.3182,  
0.3334

■ 97.4190, 0.3181,  
0.3346

■ 98.1916, 0.3180,  
0.3357

# Harmonies

## Analogous

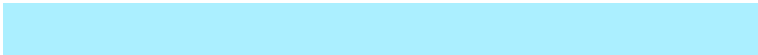
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1574, 0.2842, 0.3516



78.1574, 0.2652, 0.3243



78.1574, 0.2586, 0.3000

# Triad

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



78.1574, 0.2652, 0.3243



78.1574, 0.3121, 0.2900



78.1574, 0.3614, 0.3728

# Complementary

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



78.1574, 0.2652, 0.3243



50.7249, 0.3882, 0.3336

# 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.



78.1574, 0.3700, 0.3542



78.1574, 0.2652, 0.3243



78.1574, 0.3409, 0.3075

# Square

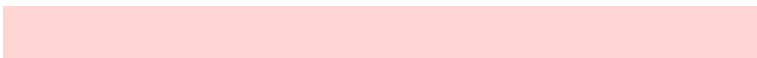
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1574, 0.2652, 0.3243



78.1574, 0.2847, 0.2817



78.1574, 0.3625, 0.3305



78.1574, 0.3396, 0.3803

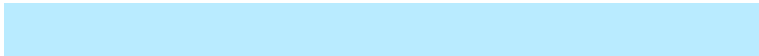


# Rectangle

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



78.1574, 0.2652, 0.3243



78.1574, 0.2617, 0.2887



78.1574, 0.3625, 0.3305



78.1574, 0.3660, 0.3675

# Sweetspot

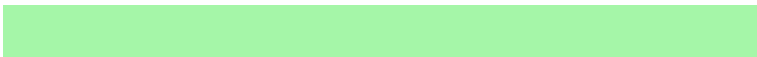
The Sweet Spot groups the original color and five complimentary colors.



78.1605, 0.2652, 0.3243



94.6714, 0.2973, 0.3277



76.7539, 0.3067, 0.4238



20.1141, 0.2951, 0.3275



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.



78.1605, 0.2652, 0.3243



82.3086, 0.2566, 0.3232



57.2964, 0.2593, 0.2778



18.6077, 0.2981, 0.3278



34.9420, 0.2204, 0.3134



3.1138, 0.2210, 0.3154



# Inverse Universe

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



52.9359, 0.3198, 0.2508



50.9390, 0.3215, 0.2344



67.5456, 0.3744, 0.3751



16.7532, 0.3146, 0.3068



13.6268, 0.3338, 0.1613

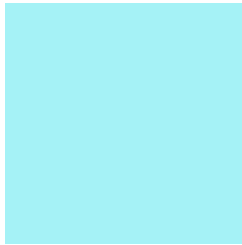


1.2020, 0.3321, 0.1603



# Previews

## White Background



This preview shows how the Yxy color 78.1574, 0.2652, 0.3243 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

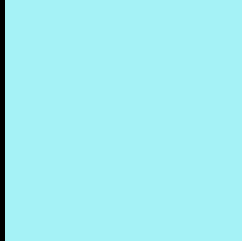
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.1574, 0.2652, 0.3243 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

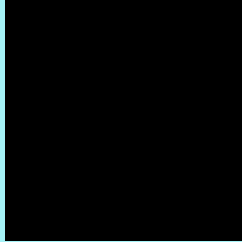
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.1574, 0.2652, 0.3243**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1574, 0.2652, 0.3243.

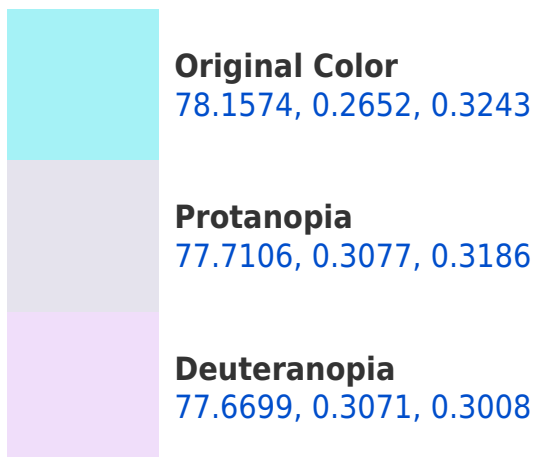


This preview shows how white text looks on a background with the Yxy color 78.1574, 0.2652, 0.3243.

# 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

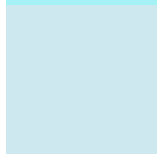
77.8340, 0.2670, 0.3102

# Trichromacy



## Original Color

78.1574, 0.2652, 0.3243



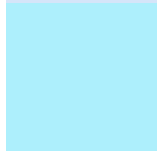
## Protanomaly

77.1263, 0.2909, 0.3203



## Deuteranomaly

77.0243, 0.2899, 0.3078



## Tritanomaly

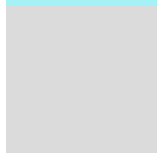
77.6455, 0.2659, 0.3144

# Monochromacy



## Original Color

78.1574, 0.2652, 0.3243



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

72.7374, 0.2927, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.1574, 0.2652, 0.3243 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(165, 242, 246)` looks like.

```
.text, #text, p{  
    color:rgb(165, 242, 246)  
}
```

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(165, 242, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 242, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1574, 0.2652, 0.3243 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(165, 242, 246) }
```

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

```
.border{ border-color:rgb(165, 242, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 242, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 242, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 242, 246);  
box-shadow:4px 4px 4px 4px rgb(165, 242,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1574, 0.2652, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 242, 246) }
```

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

```
.background{ background-color: rgb(165,  
242, 246) }
```

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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