

# Converting Colors

$Yxy(78.4833, 0.2834, 0.3023)$

Have a look what the booklet for  
Yxy(78.4833, 0.2834, 0.3023)  
contains.

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# Color

**Yxy(78.6349, 0.2848, 0.3047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2E8FF
RGB	210, 232, 255
RGB Percent	82%, 91%, 100%
CMY	0.1763, 0.0902, 0.0000
CMYK	0.18, 0.09, 0.00, 0.00
HSL	211°, 100%, 91%
HSV	211°, 18%, 100%
XYZ	73.4992, 78.6349, 105.9390
YIQ	228.0440, -20.4950, 2.4890

# Conversions

## Conversions Part 2

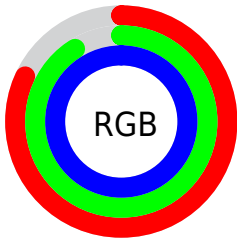
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 225, 255
Decimal	13822207
CIE <sub>Lab</sub>	91.07, -2.57, -13.58
CIE <sub>LCh</sub>	91, 13.820, 259.290
Y <sub>xy</sub>	78.6349, 0.2848, 0.3047
Android (android.graphics.Color)	4292012287 (0xFFD2E8FF)
YUV	228.0440, 13.2893, -15.8246
Hunter-Lab	88.6763, -7.2341, -8.7586

# Details

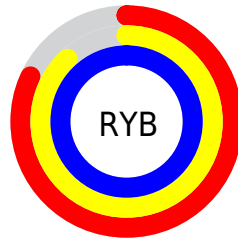
The Yxy color **78.6349, 0.2848, 0.3047** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.2285, 0.3430, 0.3521**, and the grayscale version is **77.5350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0964, 0.2786, 0.2989** is the 20% darker color. If you saturate the color by 10%, you get **68.1073, 0.2683, 0.2888**, and if you desaturate by 10%, it is **90.3069, 0.3009, 0.3191**.

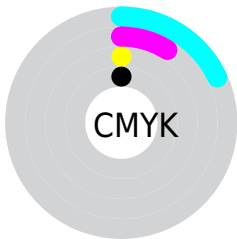
# Distribution



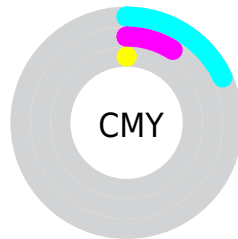
- Red (82%)
- Green (91%)
- Blue (100%)



- Red (82%)
- Yellow (88%)
- Blue (100%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6349, 0.2848, 0.3047 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 78.6349, 0.2848, 0.3047 by changing the saturation by 10% instead.



■ 78.6349, 0.2848,  
0.3047

■ 78.6349, 0.2848,  
0.3047

490.3204, 0.2974,  
0.3158

■ 58.5957, 0.2820,  
0.3022

131.4447, 0.2891,  
0.3085

■ 42.2877, 0.2785,  
0.2991

164.9842, 0.2908,  
0.3100

■ 29.3267, 0.2742,  
0.2953

203.7924, 0.2923,  
0.3113

■ 19.3281, 0.2686,  
0.2903

248.2539, 0.2936,  
0.3124

■ 11.9076, 0.2612,  
0.2836

298.7531, 0.2947,  
0.3134

■ 6.6808, 0.2509,  
0.2742

355.6743, 0.2957,

■ 3.2633, 0.2354,

0.3143

0.2600

419.4019, 0.2966,  
0.3151

■ 1.2707, 0.2101,  
0.2363

■ 0.1183, 0.0398,  
0.0946

■ 78.6349, 0.2848,  
0.3047

■ 78.6349, 0.2848,  
0.3047

■ 68.1073, 0.2683,  
0.2888

■ 90.3069, 0.3009,  
0.3191

■ 58.6810, 0.2517,  
0.2715

100.0000, 0.3127,  
0.3290

■ 50.3144, 0.2354,  
0.2528

■ 42.9616, 0.2199,  
0.2332

■ 36.5725, 0.2058,  
0.2130

■ 31.0913, 0.1937,  
0.1928

■ 26.4544, 0.1839,  
0.1731

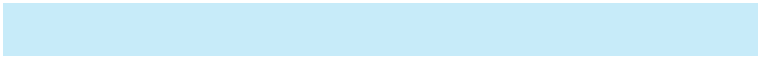
■ 22.5813, 0.1767,  
0.1547

■ 21.7500, 0.1751,  
0.1505

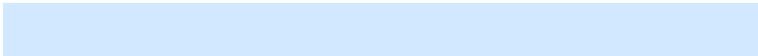
# Harmonies

## Analogous

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



78.6349, 0.2816, 0.3144



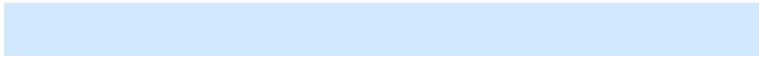
78.6349, 0.2848, 0.3047



78.6349, 0.2953, 0.3016

# Triad

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



78.6349, 0.2848, 0.3047



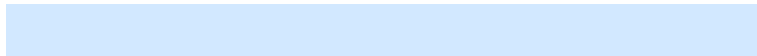
78.6349, 0.3395, 0.3286



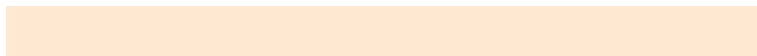
78.6349, 0.3141, 0.3541

# Complementary

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



78.6349, 0.2848, 0.3047



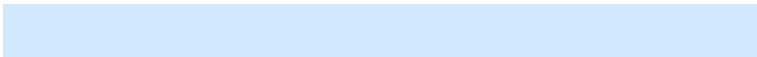
84.2285, 0.3430, 0.3521

# Split Complementary

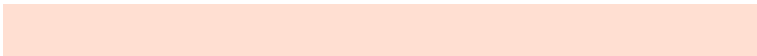
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6349, 0.3299, 0.3576



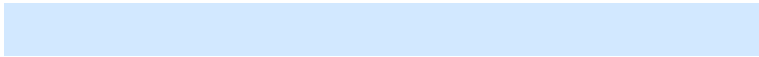
78.6349, 0.2848, 0.3047



78.6349, 0.3448, 0.3423

# Square

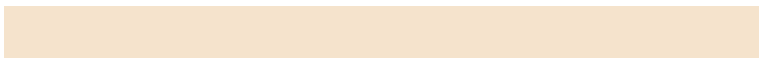
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6349, 0.2848, 0.3047



78.6349, 0.3269, 0.3153



78.6349, 0.3412, 0.3531

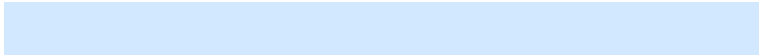


78.6349, 0.2983, 0.3433



# Rectangle

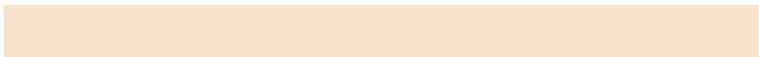
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6349, 0.2848, 0.3047



78.6349, 0.3052, 0.3035



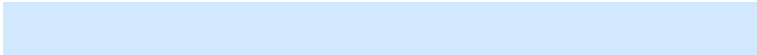
78.6349, 0.3412, 0.3531



78.6349, 0.3196, 0.3562

# Sweetspot

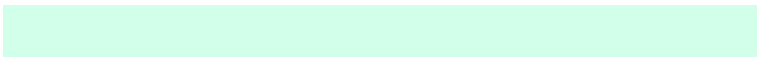
The Sweet Spot groups the original color and five complimentary colors.



78.6360, 0.2848, 0.3047



93.5674, 0.3050, 0.3226



91.0852, 0.2980, 0.3526



19.8389, 0.3039, 0.3217



0.0000, 0.0000, 0.0000

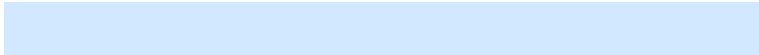


21.4041, 0.3127, 0.3290

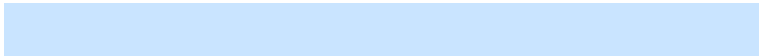


# Same Dimension

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



78.6360, 0.2848, 0.3047



74.9592, 0.2793, 0.2995



67.0472, 0.2836, 0.2808



18.8414, 0.2979, 0.3165



11.6615, 0.1760, 0.1534



1.3533, 0.1818, 0.1743



# Inverse Universe

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



73.2037, 0.3308, 0.3071



68.8219, 0.3350, 0.3027



97.4357, 0.3393, 0.3730



18.1348, 0.3217, 0.3175



11.9052, 0.5015, 0.2536

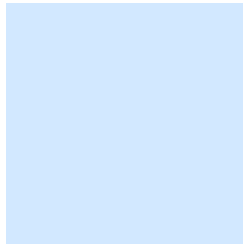


1.1812, 0.4754, 0.2393



# Previews

## White Background



This preview shows how the Yxy color 78.6349, 0.2848, 0.3047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

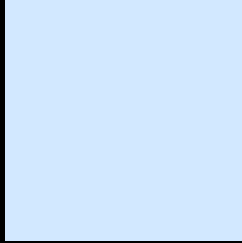
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.6349, 0.2848, 0.3047 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

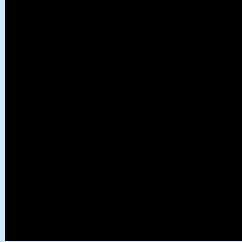
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

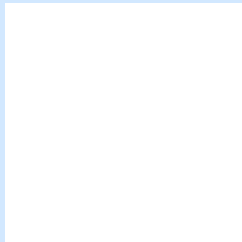
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.6349, 0.2848, 0.3047**

## Background



This preview shows how black text looks on a background with the Yxy color 78.6349, 0.2848, 0.3047.

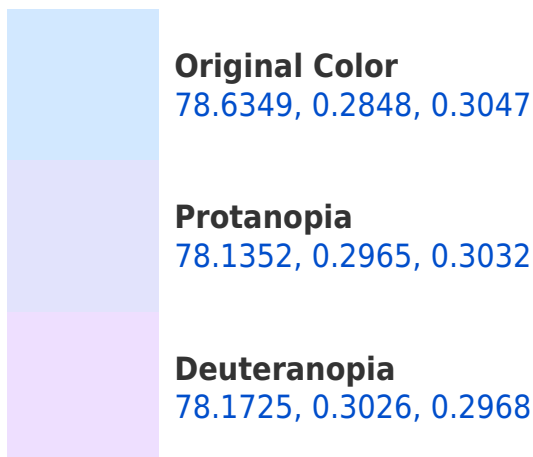


This preview shows how white text looks on a background with the Yxy color 78.6349, 0.2848, 0.3047.

# 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

78.7982, 0.2865, 0.3099

# Trichromacy



**Original Color**

78.6349, 0.2848, 0.3047

**Protanomaly**

78.3461, 0.2921, 0.3040

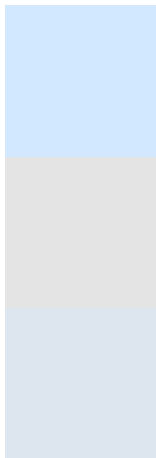
**Deuteranomaly**

78.1067, 0.2960, 0.2993

**Tritanomaly**

78.8614, 0.2859, 0.3089

# Monochromacy



**Original Color**

78.6349, 0.2848, 0.3047

**Achromatopsia**

77.5822, 0.3127, 0.3290

**Achromatomaly**

77.5838, 0.3017, 0.3195

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6349, 0.2848, 0.3047 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(210, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 232, 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(210, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 232, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6349, 0.2848, 0.3047 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(210, 232, 255) }
```

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

```
.border{ border-color:rgb(210, 232, 255) }
```

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

Here you see how a box with a 4 pixel rgb(210, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 232,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6349, 0.2848, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 232, 255) }
```

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

```
.background{ background-color: rgb(210,  
232, 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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