

Converting Colors

$Y_{xy}(92.1839, 0.2230, 0.1924)$

Have a look what the booklet for
Yxy(92.1839, 0.2230, 0.1924)
contains.

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Color

Yxy(78.7821, 0.2854, 0.3048)

Conversions

Conversions Part 1

Format	Color
Hex	D3E8FF
RGB	211, 232, 255
RGB Percent	83%, 91%, 100%
CMY	0.1726, 0.0902, 0.0000
CMYK	0.17, 0.09, 0.00, 0.00
HSL	211°, 100%, 91%
HSV	211°, 17%, 100%
XYZ	73.7678, 78.7821, 105.9216
YIQ	228.3430, -19.8990, 2.7010

Conversions

Conversions Part 2

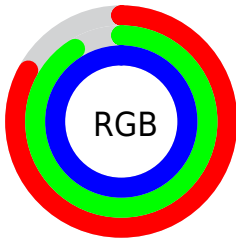
Format	Color
R_{YB}	211, 225, 255
Decimal	13887743
CIE _{Lab}	91.14, -2.30, -13.45
CIE _{LCh}	91, 13.648, 260.307
Yxy	78.7821, 0.2854, 0.3048
Android (android.graphics.Color)	4292077823 (0xFFD3E8FF)
YUV	228.3430, 13.1419, -15.2098
Hunter-Lab	88.7593, -6.9776, -8.6227

Details

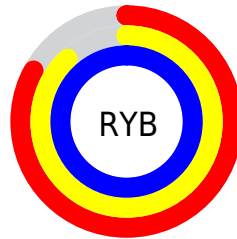
The Yxy color **78.7821, 0.2854, 0.3048** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.7966, 0.3422, 0.3521**, and the grayscale version is **77.7609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1958, 0.2794, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **68.0953, 0.2688, 0.2886**, and if you desaturate by 10%, it is **90.6413, 0.3015, 0.3194**.

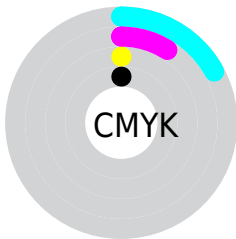
Distribution



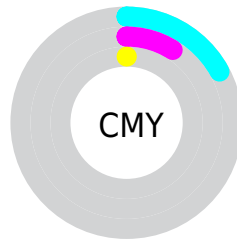
- Red (83%)
- Green (91%)
- Blue (100%)



- Red (83%)
- Yellow (88%)
- Blue (100%)



- Cyan (17%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7821, 0.2854, 0.3048 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 78.7821, 0.2854, 0.3048 by changing the saturation by 10% instead.

■ 78.7821, 0.2854,
0.3048

■ 78.7821, 0.2854,
0.3048

490.8189, 0.2978,
0.3158

■ 58.7167, 0.2826,
0.3023

131.6521, 0.2896,
0.3086

■ 42.3851, 0.2793,
0.2993

165.2254, 0.2913,
0.3101

■ 29.4029, 0.2750,
0.2954

204.0701, 0.2927,
0.3114

■ 19.3858, 0.2696,
0.2905

248.5707, 0.2940,
0.3125

■ 11.9494, 0.2623,
0.2839

299.1114, 0.2951,
0.3135

■ 6.7092, 0.2522,
0.2745

356.0768, 0.2961,

■ 3.2809, 0.2370,

0.3144

0.2604

419.8511, 0.2970,
0.3151

■ 1.2801, 0.2122,
0.2370

■ 0.1257, 0.0499,
0.0989

■ 78.7821, 0.2854,
0.3048

■ 78.7821, 0.2854,
0.3048

■ 68.0953, 0.2688,
0.2886

■ 90.6413, 0.3015,
0.3194

■ 58.5304, 0.2521,
0.2709

99.9997, 0.3127,
0.3290

■ 50.0475, 0.2357,
0.2519

■ 42.5999, 0.2200,
0.2319

■ 36.1367, 0.2057,
0.2113

■ 30.6017, 0.1934,
0.1907

■ 25.9304, 0.1834,
0.1707

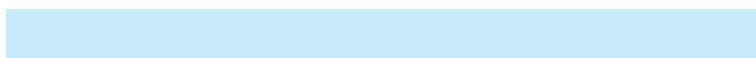
■ 22.0432, 0.1759,
0.1519

■ 21.0856, 0.1742,
0.1470

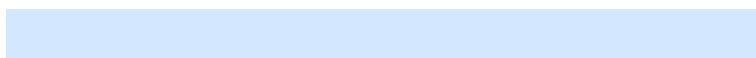
Harmonies

Analogous

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



78.7821, 0.2820, 0.3142



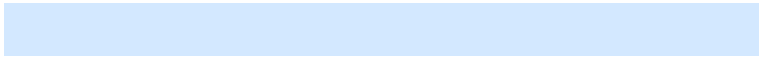
78.7821, 0.2854, 0.3048



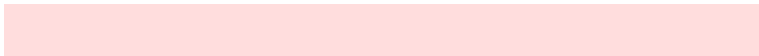
78.7821, 0.2960, 0.3020

Triad

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



78.7821, 0.2854, 0.3048



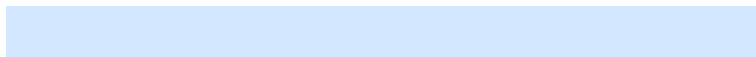
78.7821, 0.3395, 0.3291



78.7821, 0.3136, 0.3535

Complementary

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



78.7821, 0.2854, 0.3048



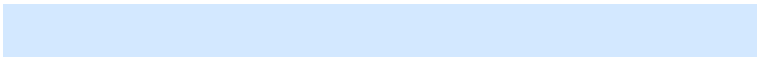
84.7966, 0.3422, 0.3521

Split Complementary

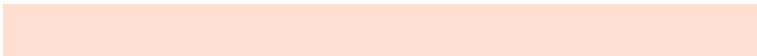
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7821, 0.3292, 0.3572



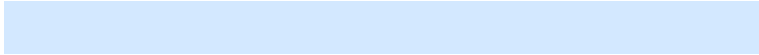
78.7821, 0.2854, 0.3048



78.7821, 0.3444, 0.3426

Square

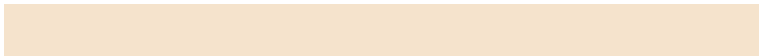
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7821, 0.2854, 0.3048



78.7821, 0.3272, 0.3159



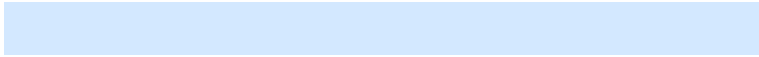
78.7821, 0.3406, 0.3530



78.7821, 0.2980, 0.3426

Rectangle

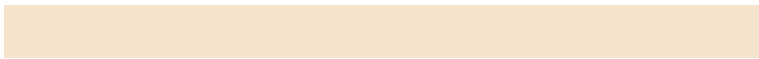
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7821, 0.2854, 0.3048



78.7821, 0.3058, 0.3040



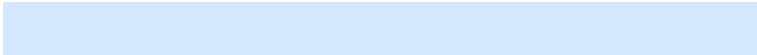
78.7821, 0.3406, 0.3530



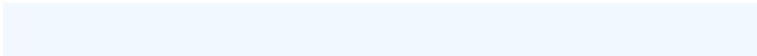
78.7821, 0.3190, 0.3556

Sweetspot

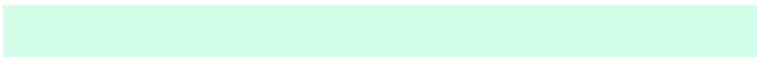
The Sweet Spot groups the original color and five complimentary colors.



78.7853, 0.2854, 0.3048



93.4851, 0.3050, 0.3225



91.2901, 0.2979, 0.3513



19.8189, 0.3039, 0.3215



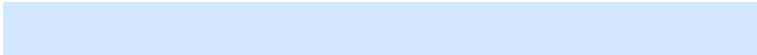
0.0000, 0.0000, 0.0000



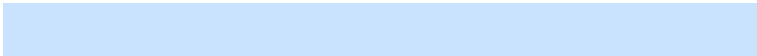
21.4041, 0.3127, 0.3290

Same Dimension

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



78.7853, 0.2854, 0.3048



74.6517, 0.2792, 0.2989



67.7610, 0.2848, 0.2820



18.8090, 0.2979, 0.3163



11.3128, 0.1750, 0.1500



1.3186, 0.1809, 0.1711

Inverse Universe

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



73.6708, 0.3307, 0.3080



68.7908, 0.3355, 0.3032



97.3407, 0.3383, 0.3721



18.1316, 0.3219, 0.3177



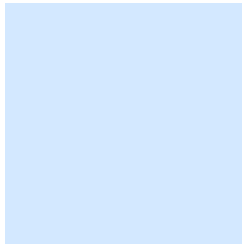
11.8700, 0.5060, 0.2561



1.1777, 0.4793, 0.2414

Previews

White Background



This preview shows how the Yxy color 78.7821, 0.2854, 0.3048 looks on a white background.

Color Contrast Check

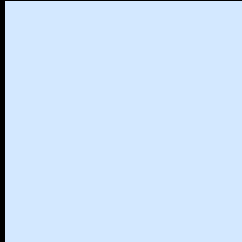
Large Text (above 18pt) WCAG AA × Fail

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 78.7821, 0.2854, 0.3048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

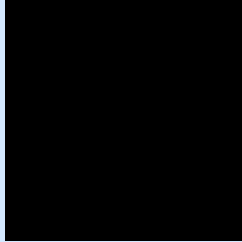
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

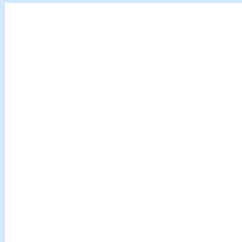
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7821, 0.2854, 0.3048

Background



This preview shows how black text looks on a background with the Yxy color 78.7821, 0.2854, 0.3048.

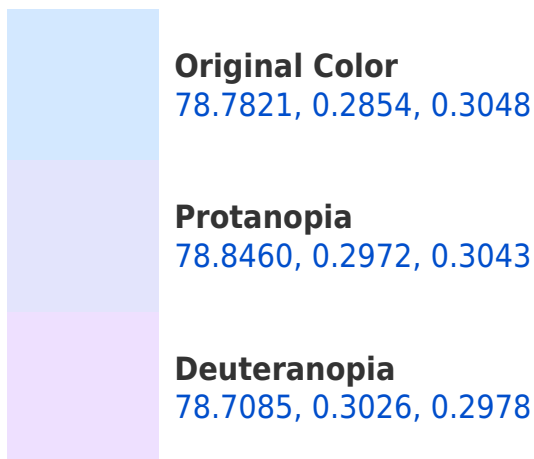


This preview shows how white text looks on a background with the Yxy color 78.7821, 0.2854, 0.3048.

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

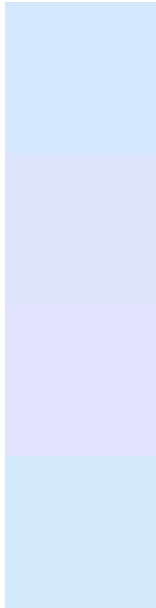




Tritanopia

78.9445, 0.2871, 0.3099

Trichromacy



Original Color

78.7821, 0.2854, 0.3048

Protanomaly

78.5026, 0.2927, 0.3041

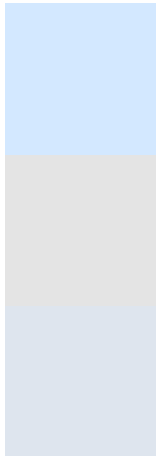
Deuteranomaly

78.6522, 0.2960, 0.3003

Tritanomaly

79.0077, 0.2865, 0.3089

Monochromacy



Original Color

78.7821, 0.2854, 0.3048

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7413, 0.3024, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7821, 0.2854, 0.3048 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(211, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 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(211, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.7821, 0.2854, 0.3048 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(211, 232, 255) }
```

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

```
.border{ border-color:rgb(211, 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(211, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7821, 0.2854, 0.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 232, 255) }
```

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

```
.background{ background-color: rgb(211,  
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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