

Converting Colors

$Yxy(74.7866, 0.2855, 0.3009)$

Have a look what the booklet for
Yxy(74.7866, 0.2855, 0.3009)
contains.

Yxy(74.9763, 0.2855, 0.3013)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(74.9763, 0.2855, 0.3013)

Conversions

Conversions Part 1

Format	Color
Hex	D1E2FC
RGB	209, 226, 252
RGB Percent	82%, 89%, 99%
CMY	0.1807, 0.1136, 0.0118
CMYK	0.17, 0.10, 0.00, 0.01
HSL	216°, 88%, 90%
HSV	216°, 17%, 99%
XYZ	71.0446, 74.9763, 102.8218
YIQ	223.8810, -18.4780, 4.4820

Conversions

Conversions Part 2

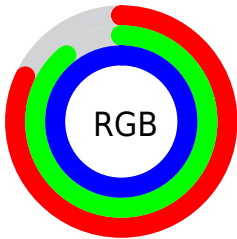
Format	Color
R _{YB}	209, 221, 252
Decimal	13755132
CIE Lab	89.38, -0.46, -14.52
CIE LCh	89, 14.532, 268.170
Yxy	74.9763, 0.2855, 0.3013
Android (android.graphics.Color)	4291945212 (0xFFD1E2FC)
YUV	223.8810, 13.8627, -13.0506
Hunter-Lab	86.5889, -5.0745, -9.7930

Details

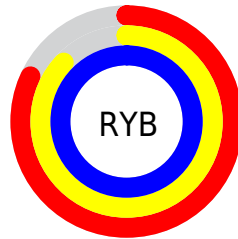
The Yxy color **74.9763, 0.2855, 0.3013** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.6524, 0.3413, 0.3552**, and the grayscale version is **74.3544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9360, 0.2795, 0.2958** is the 20% darker color. If you saturate the color by 10%, you get **63.6895, 0.2685, 0.2825**, and if you desaturate by 10%, it is **87.5829, 0.3018, 0.3182**.

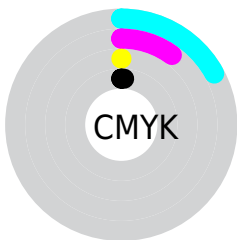
Distribution



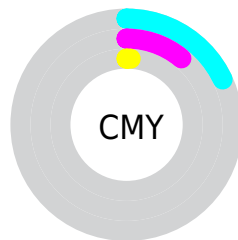
- Red (82%)
- Green (89%)
- Blue (99%)



- Red (82%)
- Yellow (87%)
- Blue (99%)



- Cyan (17%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (18%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9763, 0.2855, 0.3013 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 74.9763, 0.2855, 0.3013 by changing the saturation by 10% instead.

■ 74.9763, 0.2855,
0.3013

■ 74.9763, 0.2855,
0.3013

477.8361, 0.2980,
0.3140

■ 55.5935, 0.2827,
0.2984

126.2788, 0.2898,
0.3057

■ 39.8771, 0.2792,
0.2949

158.9673, 0.2915,
0.3074

■ 27.4427, 0.2749,
0.2905

196.8598, 0.2929,
0.3089

■ 17.9060, 0.2693,
0.2847

240.3407, 0.2942,
0.3102

■ 10.8825, 0.2618,
0.2770

289.7943, 0.2953,
0.3113

■ 5.9879, 0.2511,
0.2661

345.6052, 0.2963,

■ 2.8377, 0.2350,

0.3123

0.2495

408.1577, 0.2972,
0.3132

■ 1.0476, 0.2080,
0.2217

■ 0.0000, 0.0000,
0.0000

■ 74.9763, 0.2855,
0.3013

■ 74.9763, 0.2855,
0.3013

■ 63.6895, 0.2685,
0.2825

■ 87.5829, 0.3018,
0.3182

■ 53.6671, 0.2511,
0.2620

99.8083, 0.3144,
0.3319

■ 44.8629, 0.2337,
0.2399

■ 37.2242, 0.2169,
0.2167

■ 30.6938, 0.2015,
0.1930

■ 25.2084, 0.1880,
0.1696

■ 20.6964, 0.1771,
0.1475

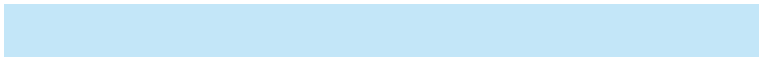
■ 17.0713, 0.1692,
0.1275

■ 16.1534, 0.1673,
0.1221

Harmonies

Analogous

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



74.9763, 0.2797, 0.3097



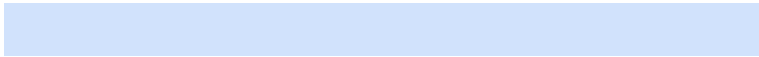
74.9763, 0.2855, 0.3013



74.9763, 0.2986, 0.3003

Triad

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



74.9763, 0.2855, 0.3013



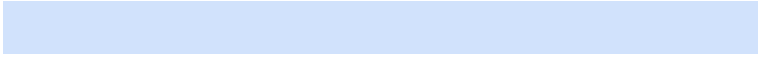
74.9763, 0.3440, 0.3330



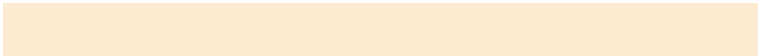
74.9763, 0.3090, 0.3531

Complementary

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



74.9763, 0.2855, 0.3013



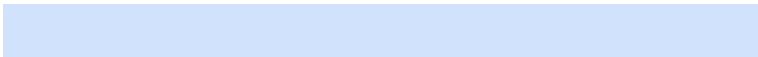
84.6524, 0.3413, 0.3552

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.



74.9763, 0.3264, 0.3594



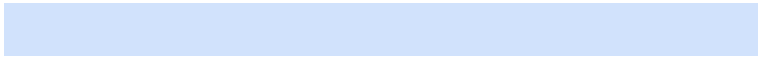
74.9763, 0.2855, 0.3013



74.9763, 0.3469, 0.3471

Square

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



74.9763, 0.2855, 0.3013



74.9763, 0.3325, 0.3183



74.9763, 0.3403, 0.3570



74.9763, 0.2930, 0.3398

Rectangle

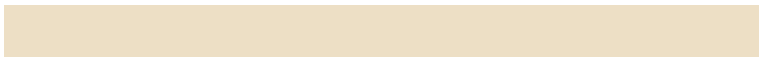
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9763, 0.2855, 0.3013



74.9763, 0.3098, 0.3037



74.9763, 0.3403, 0.3570



74.9763, 0.3149, 0.3561

Sweetspot

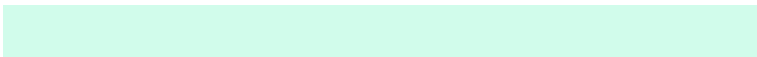
The Sweet Spot groups the original color and five complimentary colors.



74.9794, 0.2855, 0.3013



92.8543, 0.3050, 0.3215



89.1497, 0.2961, 0.3471



19.6657, 0.3039, 0.3204



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.



74.9794, 0.2855, 0.3013



72.3215, 0.2789, 0.2942



66.7718, 0.2875, 0.2829



17.7738, 0.2979, 0.3143



8.6828, 0.1681, 0.1251



1.0048, 0.1746, 0.1486

Inverse Universe

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



71.7508, 0.3330, 0.3117



68.5556, 0.3387, 0.3075



94.1208, 0.3356, 0.3720



17.3394, 0.3231, 0.3196



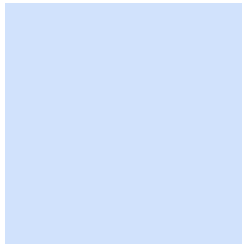
11.2874, 0.5394, 0.2745



1.0657, 0.5077, 0.2570

Previews

White Background



This preview shows how the Yxy color 74.9763, 0.2855, 0.3013 looks on a white background.

Color Contrast Check

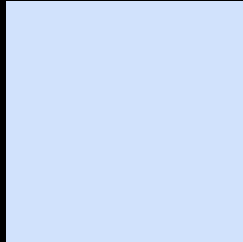
Large Text (above 18pt) WCAG AA × Fail

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 74.9763, 0.2855, 0.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

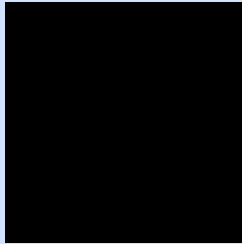
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

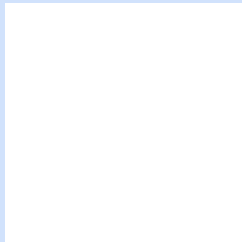
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.9763, 0.2855, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 74.9763, 0.2855, 0.3013.



This preview shows how white text looks on a background with the Yxy color 74.9763, 0.2855, 0.3013.

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

74.9763, 0.2855, 0.3013

Protanopia

75.0496, 0.2944, 0.3007

Deuteranopia

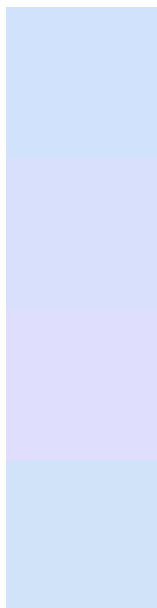
74.9746, 0.2992, 0.2932



Tritanopia

74.9406, 0.2890, 0.3096

Trichromacy



Original Color

74.9763, 0.2855, 0.3013

Protanomaly

75.0281, 0.2912, 0.3006

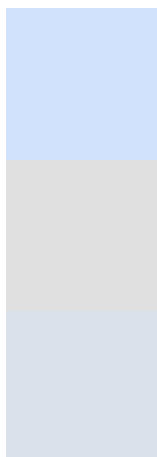
Deuteranomaly

75.1817, 0.2945, 0.2968

Tritanomaly

75.1254, 0.2873, 0.3065

Monochromacy



Original Color

74.9763, 0.2855, 0.3013

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

74.8510, 0.3029, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9763, 0.2855, 0.3013 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(209, 226, 252)` looks like.

```
.text, #text, p{  
    color:rgb(209, 226, 252)  
}
```

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(209, 226, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 226, 252) }
```

Border

The CSS property to change the border of an element to Yxy 74.9763, 0.2855, 0.3013 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(209, 226, 252) }
```

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

```
.border{ border-color:rgb(209, 226, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 226, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 226, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 226, 252);  
box-shadow:4px 4px 4px 4px rgb(209, 226,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9763, 0.2855, 0.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 226, 252) }
```

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

```
.background{ background-color: rgb(209,  
226, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor