

Converting Colors

$Yxy(77.5897, 0.2906, 0.3115)$

Have a look what the booklet for
Yxy(77.5897, 0.2906, 0.3115)
contains.

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Color

Yxy(77.8643, 0.2905, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	D4E7F7
RGB	212, 231, 247
RGB Percent	83%, 91%, 97%
CMY	0.1689, 0.0940, 0.0314
CMYK	0.14, 0.06, 0.00, 0.03
HSL	207°, 69%, 90%
HSV	207°, 14%, 97%
XYZ	72.4987, 77.8643, 99.2021
YIQ	227.1430, -16.4600, 0.9480

Conversions

Conversions Part 2

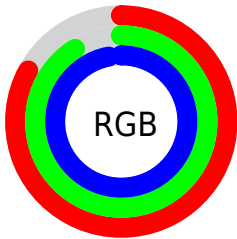
Format	Color
R _Y B	212, 224, 247
Decimal	13953015
CIE Lab	90.72, -3.15, -9.89
CIE LCh	91, 10.380, 252.346
Yxy	77.8643, 0.2905, 0.3120
Android (android.graphics.Color)	4292143095 (0xFFD4E7F7)
YUV	227.1430, 9.7895, -13.2804
Hunter-Lab	88.2408, -7.7656, -4.8865

Details

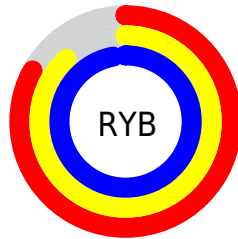
The Yxy color `77.8643, 0.2905, 0.3120` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `79.9535, 0.3368, 0.3454`, and the grayscale version is `76.8552, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.5896, 0.2851, 0.3069` is the 20% darker color. If you saturate the color by 10%, you get `68.3784, 0.2744, 0.2984`, and if you desaturate by 10%, it is `88.3227, 0.3063, 0.3243`.

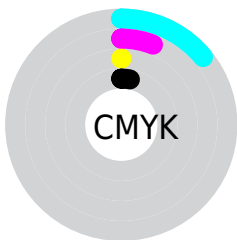
Distribution



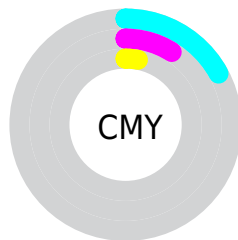
- Red (83%)
- Green (91%)
- Blue (97%)



- Red (83%)
- Yellow (88%)
- Blue (97%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8643, 0.2905, 0.3120 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 77.8643, 0.2905, 0.3120 by changing the saturation by 10% instead.

■ 77.8643, 0.2905,
0.3120

■ 77.8643, 0.2905,
0.3120

487.7058, 0.3006,
0.3198

■ 57.9625, 0.2882,
0.3102

130.3588, 0.2940,
0.3147

■ 41.7785, 0.2855,
0.3081

163.7203, 0.2953,
0.3158

■ 28.9279, 0.2820,
0.3053

202.3372, 0.2965,
0.3167

■ 19.0263, 0.2775,
0.3017

246.5938, 0.2975,
0.3175

■ 11.6893, 0.2714,
0.2969

296.8746, 0.2984,
0.3181

■ 6.5325, 0.2629,
0.2900

353.5640, 0.2992,

■ 3.1715, 0.2501,

0.3188

0.2795

417.0462, 0.3000,
0.3193

1.2219, 0.2286,
0.2614

0.0795, 0.0000,
0.0927

77.8643, 0.2905,
0.3120

77.8643, 0.2905,
0.3120

68.3784, 0.2744,
0.2984

88.3227, 0.3063,
0.3243

59.8224, 0.2582,
0.2836

98.5561, 0.3174,
0.3353

52.1644, 0.2424,
0.2675

99.4954, 0.3173,
0.3367

45.3665, 0.2274,
0.2505

■ 39.3876, 0.2136,
0.2328

■ 34.1820, 0.2015,
0.2148

■ 29.6979, 0.1916,
0.1969

■ 25.8735, 0.1841,
0.1797

■ 23.9094, 0.1806,
0.1701

Harmonies

Analogous

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



77.8643, 0.2895, 0.3204



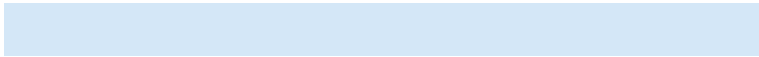
77.8643, 0.2905, 0.3120



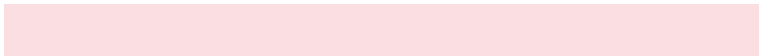
77.8643, 0.2973, 0.3083

Triad

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



77.8643, 0.2905, 0.3120



77.8643, 0.3311, 0.3263



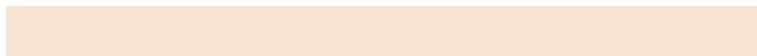
77.8643, 0.3167, 0.3489

Complementary

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



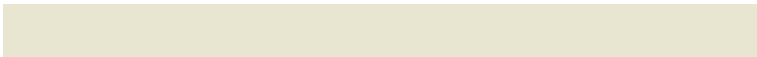
77.8643, 0.2905, 0.3120



79.9535, 0.3368, 0.3454

Split Complementary

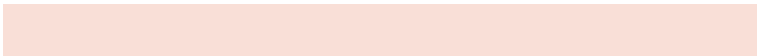
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8643, 0.3281, 0.3502



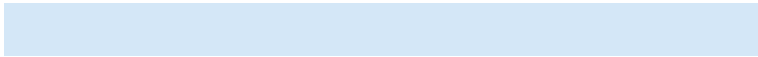
77.8643, 0.2905, 0.3120



77.8643, 0.3365, 0.3369

Square

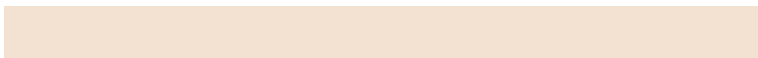
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8643, 0.2905, 0.3120



77.8643, 0.3207, 0.3166



77.8643, 0.3354, 0.3457



77.8643, 0.3045, 0.3420

Rectangle

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



77.8643, 0.2905, 0.3120



77.8643, 0.3044, 0.3089



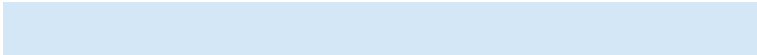
77.8643, 0.3354, 0.3457



77.8643, 0.3208, 0.3500

Sweetspot

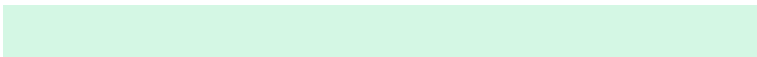
The Sweet Spot groups the original color and five complimentary colors.



77.8675, 0.2905, 0.3120



95.1886, 0.3066, 0.3245



86.0920, 0.3018, 0.3495



20.1847, 0.3054, 0.3236



0.0000, 0.0000, 0.0000



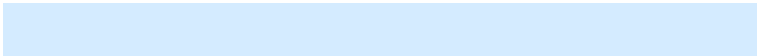
21.4041, 0.3127, 0.3290

Same Dimension

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



77.8675, 0.2905, 0.3120



80.7302, 0.2860, 0.3083



68.6309, 0.2899, 0.2931



17.4224, 0.2980, 0.3179



12.9328, 0.1814, 0.1728



1.3420, 0.1872, 0.1940

Inverse Universe

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



72.5937, 0.3254, 0.3095



74.1853, 0.3283, 0.3055



89.9771, 0.3343, 0.3626



16.6335, 0.3208, 0.3162



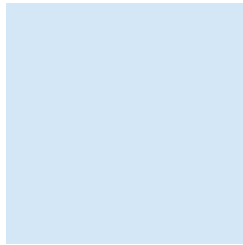
11.4049, 0.4772, 0.2402



1.0231, 0.4521, 0.2264

Previews

White Background



This preview shows how the Yxy color 77.8643, 0.2905, 0.3120 looks on a white background.

Color Contrast Check

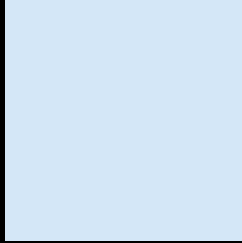
Large Text (above 18pt) WCAG AA × Fail

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 77.8643, 0.2905, 0.3120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

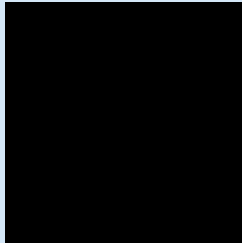
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

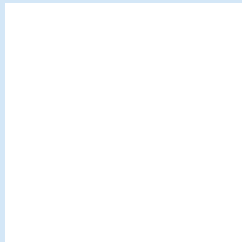
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8643, 0.2905, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 77.8643, 0.2905, 0.3120.



This preview shows how white text looks on a background with the Yxy color 77.8643, 0.2905, 0.3120.

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

77.8643, 0.2905, 0.3120

Protanopia

77.8007, 0.3020, 0.3113

Deuteranopia

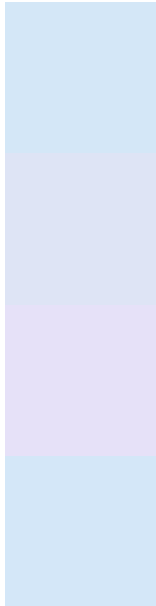
77.7829, 0.3085, 0.3018



Tritanopia

77.9884, 0.2894, 0.3099

Trichromacy



Original Color

77.8643, 0.2905, 0.3120

Protanomaly

77.6090, 0.2981, 0.3112

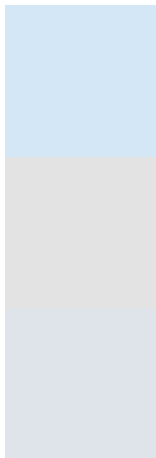
Deuteranomaly

77.4507, 0.3016, 0.3053

Tritanomaly

77.9262, 0.2900, 0.3109

Monochromacy



Original Color

77.8643, 0.2905, 0.3120

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.9569, 0.3049, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8643, 0.2905, 0.3120 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(212, 231, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 231, 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(212, 231, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 231, 247) }
```

Border

The CSS property to change the border of an element to Yxy 77.8643, 0.2905, 0.3120 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(212, 231, 247) }
```

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

```
.border{ border-color:rgb(212, 231, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 231, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 231, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 231, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 231,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8643, 0.2905, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 231, 247) }
```

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

```
.background{ background-color: rgb(212,  
231, 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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