

Converting Colors

$Yxy(77.3725, 0.2841, 0.3025)$

Have a look what the booklet for
Yxy(77.3725, 0.2841, 0.3025)
contains.

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Color

Yxy(77.3689, 0.2841, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	D1E6FF
RGB	209, 230, 255
RGB Percent	82%, 90%, 100%
CMY	0.1800, 0.0981, 0.0000
CMYK	0.18, 0.10, 0.00, 0.00
HSL	213°, 100%, 91%
HSV	213°, 18%, 100%
XYZ	72.6628, 77.3689, 105.7332
YIQ	226.5710, -20.5410, 3.3230

Conversions

Conversions Part 2

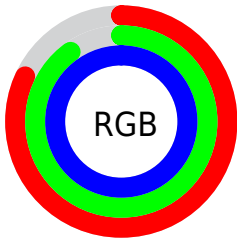
Format	Color
R _Y B	209, 223, 255
Decimal	13756159
CIE Lab	90.49, -1.83, -14.45
CIE LCh	90, 14.562, 262.798
Yxy	77.3689, 0.2841, 0.3025
Android (android.graphics.Color)	4291946239 (0xFFD1E6FF)
YUV	226.5710, 14.0155, -15.4098
Hunter-Lab	87.9596, -6.4716, -9.6988

Details

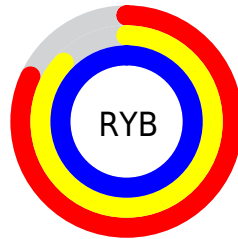
The Yxy color `77.3689, 0.2841, 0.3025` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84.7764, 0.3434, 0.3541`, and the grayscale version is `76.4061, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.6072, 0.2778, 0.2975` is the 20% darker color. If you saturate the color by 10%, you get `66.5133, 0.2674, 0.2855`, and if you desaturate by 10%, it is `89.4394, 0.3003, 0.3179`.

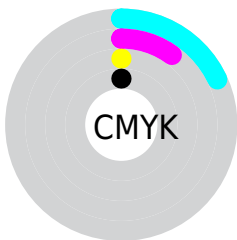
Distribution



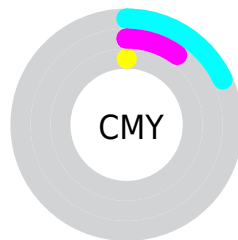
- Red (82%)
- Green (90%)
- Blue (100%)



- Red (82%)
- Yellow (87%)
- Blue (100%)



- Cyan (18%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3689, 0.2841, 0.3025 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 77.3689, 0.2841, 0.3025 by changing the saturation by 10% instead.

■ 77.3689, 0.2841,
0.3025

■ 77.3689, 0.2841,
0.3025

486.0209, 0.2971,
0.3146

■ 57.5557, 0.2812,
0.2998

129.6601, 0.2886,
0.3067

■ 41.4516, 0.2776,
0.2964

162.9069, 0.2903,
0.3083

■ 28.6721, 0.2732,
0.2922

201.4003, 0.2918,
0.3097

■ 18.8329, 0.2674,
0.2868

245.5247, 0.2931,
0.3109

■ 11.5496, 0.2597,
0.2795

295.6646, 0.2943,
0.3120

■ 6.4378, 0.2489,
0.2692

352.2044, 0.2953,

■ 3.1131, 0.2328,

0.3130

0.2537

415.5283, 0.2963,
0.3138

■ 1.1910, 0.2063,
0.2278

■ 0.0544, 0.0063,
0.0479

■ 77.3689, 0.2841,
0.3025

■ 77.3689, 0.2841,
0.3025

■ 66.5133, 0.2674,
0.2855

■ 89.4394, 0.3003,
0.3179

■ 56.8258, 0.2505,
0.2669

100.0000, 0.3127,
0.3290

■ 48.2624, 0.2338,
0.2469

■ 40.7743, 0.2179,
0.2259

■ 34.3082, 0.2034,
0.2044

■ 28.8051, 0.1909,
0.1830

■ 24.1974, 0.1809,
0.1624

■ 20.3990, 0.1734,
0.1433

■ 19.7169, 0.1721,
0.1397

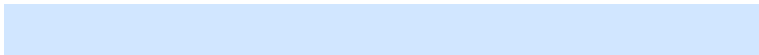
Harmonies

Analogous

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



77.3689, 0.2798, 0.3120



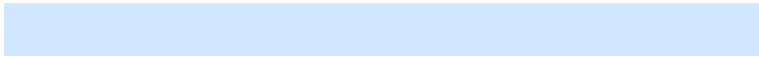
77.3689, 0.2841, 0.3025



77.3689, 0.2959, 0.3002

Triad

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



77.3689, 0.2841, 0.3025



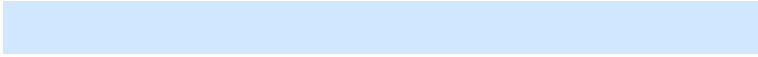
77.3689, 0.3423, 0.3303



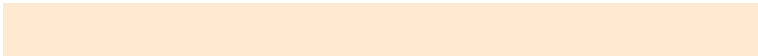
77.3689, 0.3122, 0.3546

Complementary

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



77.3689, 0.2841, 0.3025



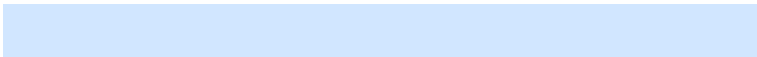
84.7764, 0.3434, 0.3541

Split Complementary

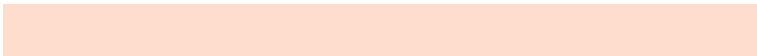
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3689, 0.3291, 0.3593



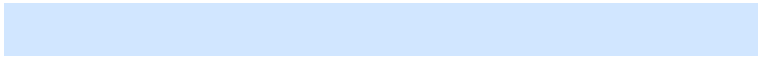
77.3689, 0.2841, 0.3025



77.3689, 0.3468, 0.3447

Square

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



77.3689, 0.2841, 0.3025



77.3689, 0.3296, 0.3160



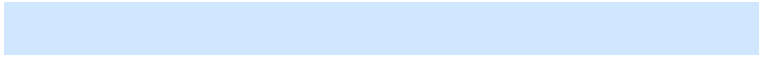
77.3689, 0.3419, 0.3554



77.3689, 0.2957, 0.3424

Rectangle

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



77.3689, 0.2841, 0.3025



77.3689, 0.3067, 0.3027



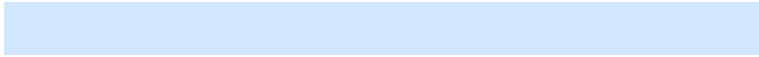
77.3689, 0.3419, 0.3554



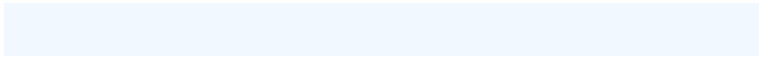
77.3689, 0.3180, 0.3572

Sweetspot

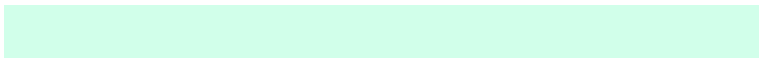
The Sweet Spot groups the original color and five complimentary colors.



77.3703, 0.2841, 0.3025



93.3079, 0.3050, 0.3222



91.0045, 0.2969, 0.3515



19.7759, 0.3039, 0.3212



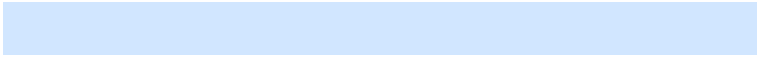
0.0000, 0.0000, 0.0000



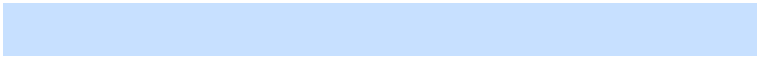
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3703, 0.2841, 0.3025



72.8890, 0.2775, 0.2959



66.6576, 0.2839, 0.2798



18.7392, 0.2979, 0.3157



10.5922, 0.1730, 0.1427



1.2464, 0.1790, 0.1643

Inverse Universe

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



72.6168, 0.3324, 0.3081



67.4658, 0.3378, 0.3032



97.0988, 0.3389, 0.3741



18.1245, 0.3222, 0.3182



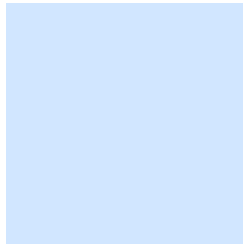
11.7973, 0.5155, 0.2614



1.1704, 0.4877, 0.2460

Previews

White Background



This preview shows how the Yxy color 77.3689, 0.2841, 0.3025 looks on a white background.

Color Contrast Check

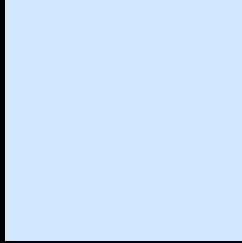
Large Text (above 18pt) WCAG AA × Fail

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 77.3689, 0.2841, 0.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

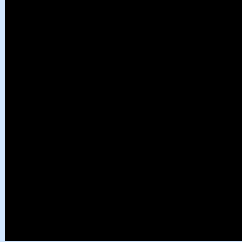
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

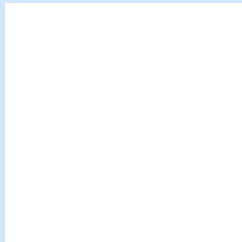
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3689, 0.2841, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 77.3689, 0.2841, 0.3025.



This preview shows how white text looks on a background with the Yxy color 77.3689, 0.2841, 0.3025.

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

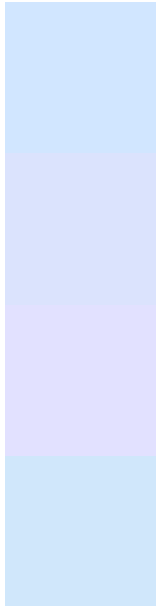




Tritanopia

77.4013, 0.2869, 0.3098

Trichromacy



Original Color

77.3689, 0.2841, 0.3025

Protanomaly

77.0901, 0.2914, 0.3019

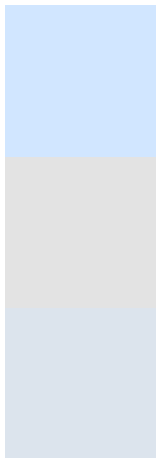
Deuteranomaly

77.2392, 0.2947, 0.2981

Tritanomaly

77.5268, 0.2858, 0.3077

Monochromacy



Original Color

77.3689, 0.2841, 0.3025

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.8169, 0.3017, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3689, 0.2841, 0.3025 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 230, 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(209, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.3689, 0.2841, 0.3025 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, 230, 255) }
```

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

```
.border{ border-color:rgb(209, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3689, 0.2841, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 230, 255) }
```

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

```
.background{ background-color: rgb(209,  
230, 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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