

Converting Colors

$Yxy(76.7743, 0.2779, 0.2952)$

Have a look what the booklet for
Yxy(76.7743, 0.2779, 0.2952)
contains.

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Color

Yxy(76.2378, 0.2815, 0.3013)

Conversions

Conversions Part 1

Format	Color
Hex	CDE5FF
RGB	205, 229, 255
RGB Percent	80%, 90%, 100%
CMY	0.1964, 0.1019, 0.0000
CMYK	0.20, 0.10, 0.00, 0.00
HSL	211°, 100%, 90%
HSV	211°, 20%, 100%
XYZ	71.2278, 76.2378, 105.5639
YIQ	224.7880, -22.6500, 2.9980

Conversions

Conversions Part 2

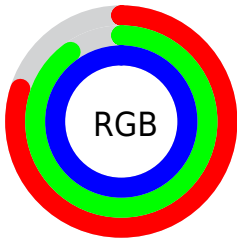
Format	Color
R _Y B	205, 221, 255
Decimal	13493759
CIE Lab	89.97, -2.61, -15.24
CIE LCh	90, 15.462, 260.291
Yxy	76.2378, 0.2815, 0.3013
Android (android.graphics.Color)	4291683839 (0xFFCDE5FF)
YUV	224.7880, 14.8945, -17.3541
Hunter-Lab	87.3143, -7.1861, -10.5623

Details

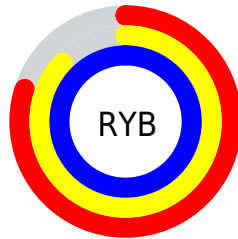
The Yxy color **76.2378, 0.2815, 0.3013** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.7502, 0.3468, 0.3552**, and the grayscale version is **75.0305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8334, 0.2746, 0.2958** is the 20% darker color. If you saturate the color by 10%, you get **65.8651, 0.2649, 0.2849**, and if you desaturate by 10%, it is **87.7650, 0.2977, 0.3162**.

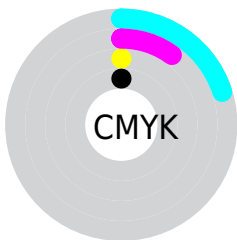
Distribution



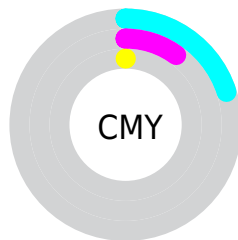
- Red (80%)
- Green (90%)
- Blue (100%)



- Red (80%)
- Yellow (87%)
- Blue (100%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2378, 0.2815, 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 76.2378, 0.2815, 0.3013 by changing the saturation by 10% instead.

■ 76.2378, 0.2815,
0.3013

■ 76.2378, 0.2815,
0.3013

482.1613, 0.2957,
0.3140

■ 56.6275, 0.2783,
0.2984

128.0630, 0.2864,
0.3057

■ 40.7063, 0.2744,
0.2949

161.0467, 0.2883,
0.3074

■ 28.0896, 0.2695,
0.2905

199.2570, 0.2899,
0.3089

■ 18.3932, 0.2632,
0.2847

243.0783, 0.2914,
0.3102

■ 11.2327, 0.2548,
0.2770

292.8950, 0.2927,
0.3113

■ 6.2236, 0.2430,
0.2660

349.0915, 0.2938,

■ 2.9815, 0.2254,

0.3123

0.2495

412.0521, 0.2948,
0.3132

■ 1.1221, 0.1965,
0.2218

■ 0.0000, 0.0000,
0.0000

■ 76.2378, 0.2815,
0.3013

■ 76.2378, 0.2815,
0.3013

■ 65.8651, 0.2649,
0.2849

■ 87.7650, 0.2977,
0.3162

■ 56.5966, 0.2482,
0.2670

99.9997, 0.3127,
0.3290

■ 48.3916, 0.2320,
0.2479

■ 41.2030, 0.2166,
0.2278

■ 34.9791, 0.2028,
0.2073

■ 29.6622, 0.1910,
0.1869

■ 25.1858, 0.1817,
0.1673

■ 21.4529, 0.1748,
0.1489

■ 21.3285, 0.1745,
0.1483

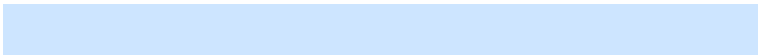
Harmonies

Analogous

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



76.2378, 0.2777, 0.3119



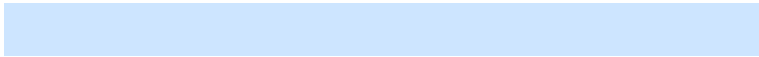
76.2378, 0.2815, 0.3013



76.2378, 0.2935, 0.2982

Triad

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



76.2378, 0.2815, 0.3013



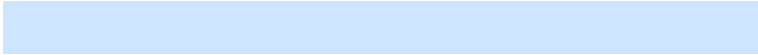
76.2378, 0.3434, 0.3290



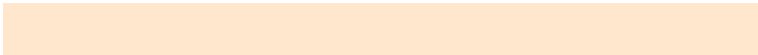
76.2378, 0.3136, 0.3572

Complementary

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



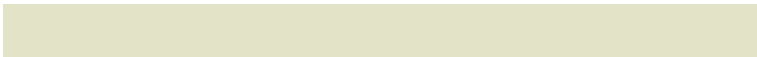
76.2378, 0.2815, 0.3013



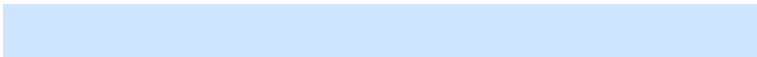
82.7502, 0.3468, 0.3552

Split Complementary

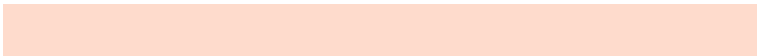
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2378, 0.3315, 0.3614



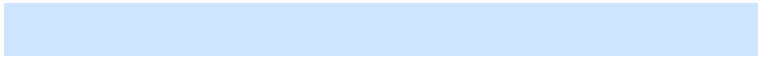
76.2378, 0.2815, 0.3013



76.2378, 0.3491, 0.3444

Square

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



76.2378, 0.2815, 0.3013



76.2378, 0.3293, 0.3140



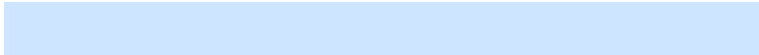
76.2378, 0.3446, 0.3565



76.2378, 0.2959, 0.3447

Rectangle

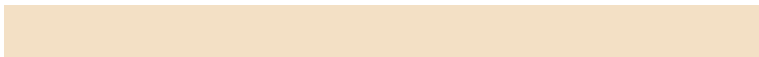
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



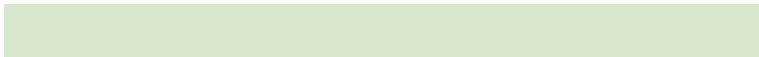
76.2378, 0.2815, 0.3013



76.2378, 0.3048, 0.3005



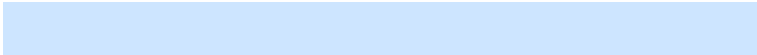
76.2378, 0.3446, 0.3565



76.2378, 0.3199, 0.3596

Sweetspot

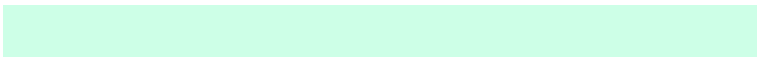
The Sweet Spot groups the original color and five complimentary colors.



76.2409, 0.2815, 0.3013



92.2549, 0.3035, 0.3212



90.2421, 0.2960, 0.3547



19.5715, 0.3024, 0.3203



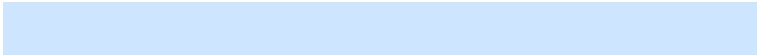
0.0000, 0.0000, 0.0000



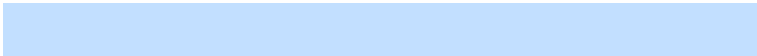
21.4041, 0.3127, 0.3290

Same Dimension

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



76.2409, 0.2815, 0.3013



71.5801, 0.2743, 0.2943



63.9288, 0.2804, 0.2748



18.8210, 0.2979, 0.3163



11.4406, 0.1754, 0.1512



1.3313, 0.1812, 0.1723

Inverse Universe

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



70.5407, 0.3336, 0.3048



65.0966, 0.3393, 0.2991



97.0220, 0.3419, 0.3782



18.1328, 0.3218, 0.3176



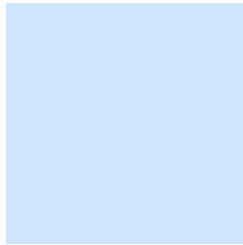
11.8829, 0.5043, 0.2552



1.1789, 0.4779, 0.2406

Previews

White Background



This preview shows how the Yxy color 76.2378, 0.2815, 0.3013 looks on a white background.

Color Contrast Check

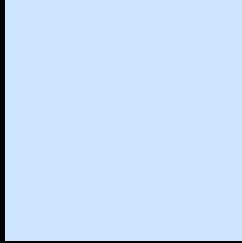
Large Text (above 18pt) WCAG AA × Fail

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 76.2378, 0.2815, 0.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

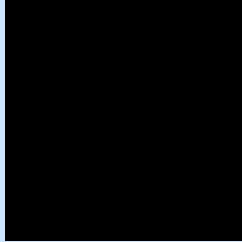
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

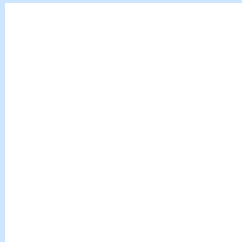
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.2378, 0.2815, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 76.2378, 0.2815, 0.3013.

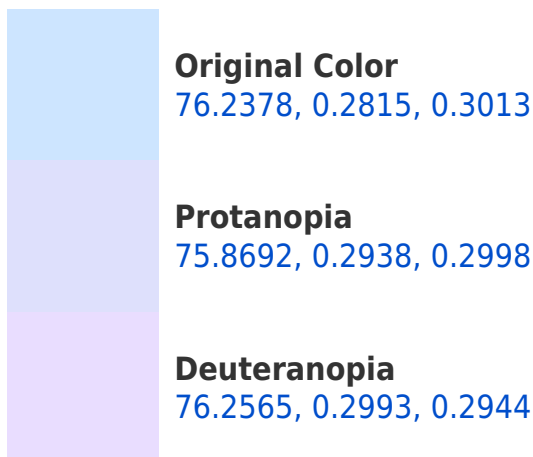


This preview shows how white text looks on a background with the Yxy color 76.2378, 0.2815, 0.3013.

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





Tritanopia

76.2083, 0.2849, 0.3096

Trichromacy



Original Color

76.2378, 0.2815, 0.3013

Protanomaly

76.0835, 0.2894, 0.3006

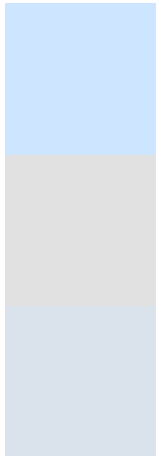
Deuteranomaly

76.2193, 0.2927, 0.2969

Tritanomaly

76.3960, 0.2832, 0.3064

Monochromacy



Original Color

76.2378, 0.2815, 0.3013

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.3543, 0.3009, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2378, 0.2815, 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(205, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 229, 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(205, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.2378, 0.2815, 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(205, 229, 255) }
```

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

```
.border{ border-color:rgb(205, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 229, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 229, 255); box-shadow:4px 4px 4px 4px rgb(205, 229, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2378, 0.2815, 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(205, 229, 255) }
```

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

```
.background{ background-color: rgb(205,  
229, 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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