

Converting Colors

$Yxy(77.1967, 0.2816, 0.3032)$

Have a look what the booklet for
Yxy(77.1967, 0.2816, 0.3032)
contains.

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Color

Yxy(77.3510, 0.2817, 0.3034)

Conversions

Conversions Part 1

Format	Color
Hex	CDE7FF
RGB	205, 231, 255
RGB Percent	80%, 91%, 100%
CMY	0.1958, 0.0942, 0.0000
CMYK	0.20, 0.09, 0.00, 0.00
HSL	209°, 100%, 90%
HSV	209°, 20%, 100%
XYZ	71.8186, 77.3510, 105.7776
YIQ	225.9620, -23.2000, 1.9520

Conversions

Conversions Part 2

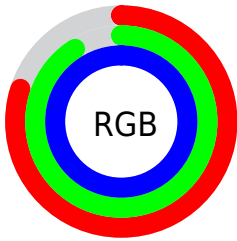
Format	Color
R _Y B	205, 222, 255
Decimal	13494271
CIE Lab	90.48, -3.57, -14.49
CIE LCh	90, 14.922, 256.167
Yxy	77.3510, 0.2817, 0.3034
Android (android.graphics.Color)	4291684351 (0xFFCDE7FF)
YUV	225.9620, 14.3157, -18.3837
Hunter-Lab	87.9494, -8.1501, -9.7441

Details

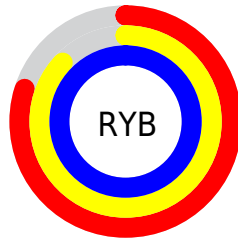
The Yxy color **77.3510, 0.2817, 0.3034** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.7510, 0.3470, 0.3533**, and the grayscale version is **75.9388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2212, 0.2747, 0.2972** is the 20% darker color. If you saturate the color by 10%, you get **67.3902, 0.2654, 0.2883**, and if you desaturate by 10%, it is **88.3861, 0.2978, 0.3172**.

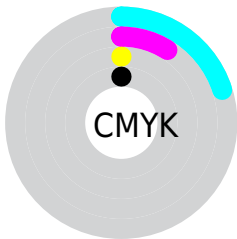
Distribution



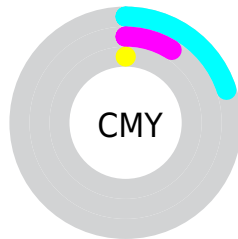
- Red (80%)
- Green (91%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3510, 0.2817, 0.3034 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 77.3510, 0.2817, 0.3034 by changing the saturation by 10% instead.

■ 77.3510, 0.2817,
0.3034

■ 77.3510, 0.2817,
0.3034

485.9599, 0.2958,
0.3151

■ 57.5410, 0.2786,
0.3007

129.6348, 0.2865,
0.3075

■ 41.4397, 0.2747,
0.2975

162.8775, 0.2884,
0.3090

■ 28.6629, 0.2699,
0.2934

201.3664, 0.2901,
0.3104

■ 18.8259, 0.2637,
0.2881

245.4861, 0.2915,
0.3116

■ 11.5446, 0.2554,
0.2809

295.6209, 0.2927,
0.3126

■ 6.4344, 0.2439,
0.2708

352.1552, 0.2939,

■ 3.1110, 0.2266,

0.3136

0.2554

415.4734, 0.2949,
0.3144

■ 1.1899, 0.1985,
0.2297

■ 0.0535, 0.0000,
0.0474

■ 77.3510, 0.2817,
0.3034

■ 77.3510, 0.2817,
0.3034

■ 67.3902, 0.2654,
0.2883

■ 88.3861, 0.2978,
0.3172

■ 58.4617, 0.2491,
0.2718

100.0000, 0.3127,
0.3290

■ 50.5257, 0.2332,
0.2541

■ 43.5379, 0.2184,
0.2356

■ 37.4495, 0.2052,
0.2166

■ 32.2061, 0.1939,
0.1976

■ 27.7445, 0.1850,
0.1792

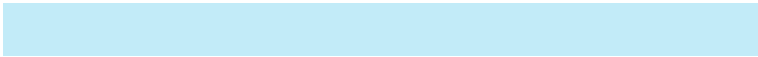
■ 23.9719, 0.1783,
0.1617

■ 23.8257, 0.1781,
0.1610

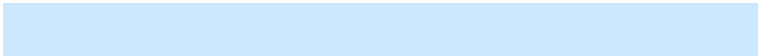
Harmonies

Analogous

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



77.3510, 0.2792, 0.3145



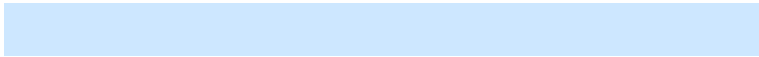
77.3510, 0.2817, 0.3034



77.3510, 0.2923, 0.2993

Triad

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



77.3510, 0.2817, 0.3034



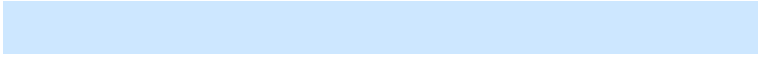
77.3510, 0.3408, 0.3269



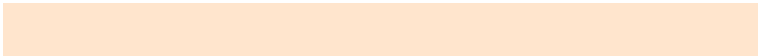
77.3510, 0.3161, 0.3571

Complementary

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



77.3510, 0.2817, 0.3034



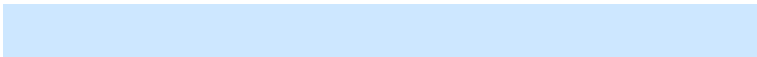
81.7510, 0.3470, 0.3533

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.



77.3510, 0.3329, 0.3600



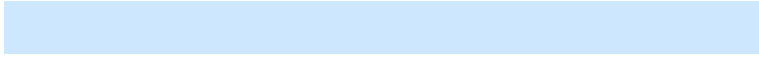
77.3510, 0.2817, 0.3034



77.3510, 0.3475, 0.3419

Square

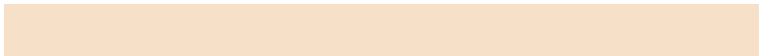
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3510, 0.2817, 0.3034



77.3510, 0.3264, 0.3128



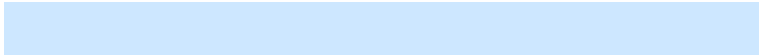
77.3510, 0.3445, 0.3542



77.3510, 0.2987, 0.3460

Rectangle

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



77.3510, 0.2817, 0.3034



77.3510, 0.3027, 0.3009



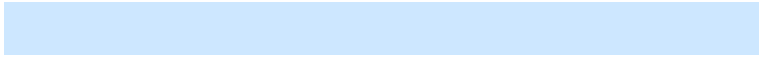
77.3510, 0.3445, 0.3542



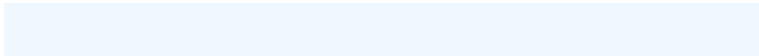
77.3510, 0.3220, 0.3591

Sweetspot

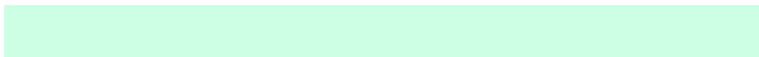
The Sweet Spot groups the original color and five complimentary colors.



77.3522, 0.2817, 0.3034



92.6082, 0.3034, 0.3217



90.1297, 0.2974, 0.3573



19.6550, 0.3024, 0.3209



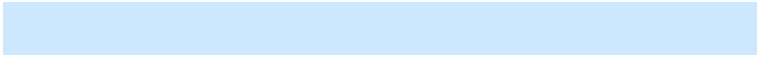
0.0000, 0.0000, 0.0000



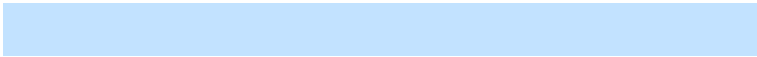
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3522, 0.2817, 0.3034



72.8227, 0.2745, 0.2969



64.7010, 0.2801, 0.2767



18.9379, 0.2979, 0.3173



12.7504, 0.1789, 0.1638



1.4603, 0.1844, 0.1838

Inverse Universe

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



70.7209, 0.3321, 0.3030



65.2221, 0.3375, 0.2969



96.1333, 0.3426, 0.3764



18.1446, 0.3212, 0.3167



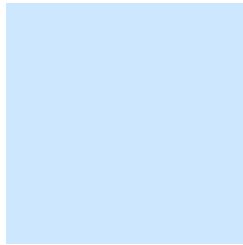
12.0151, 0.4883, 0.2464



1.1920, 0.4640, 0.2330

Previews

White Background



This preview shows how the Yxy color 77.3510, 0.2817, 0.3034 looks on a white background.

Color Contrast Check

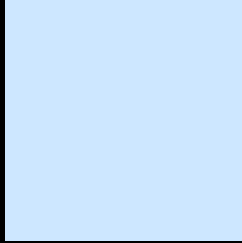
Large Text (above 18pt) WCAG AA × Fail

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 77.3510, 0.2817, 0.3034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

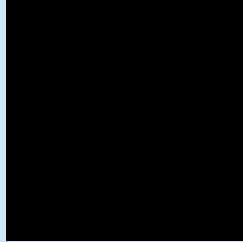
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

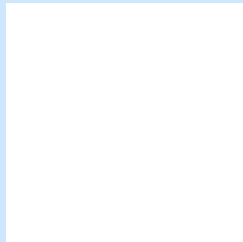
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3510, 0.2817, 0.3034

Background



This preview shows how black text looks on a background with the Yxy color 77.3510, 0.2817, 0.3034.



This preview shows how white text looks on a background with the Yxy color 77.3510, 0.2817, 0.3034.

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

77.3510, 0.2817, 0.3034

Protanopia

77.2683, 0.2952, 0.3021

Deuteranopia

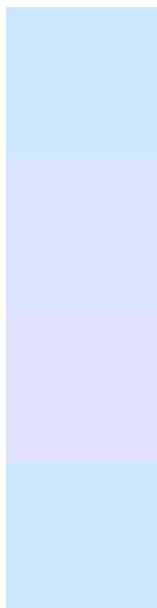
77.1247, 0.3006, 0.2956



Tritanopia

77.4527, 0.2839, 0.3097

Trichromacy



Original Color

77.3510, 0.2817, 0.3034

Protanomaly

77.3304, 0.2901, 0.3028

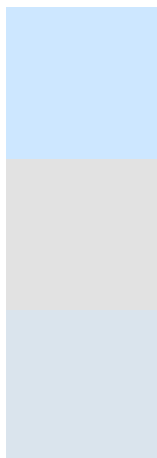
Deuteranomaly

76.9177, 0.2934, 0.2980

Tritanomaly

77.5789, 0.2828, 0.3076

Monochromacy



Original Color

77.3510, 0.2817, 0.3034

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.5067, 0.3003, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3510, 0.2817, 0.3034 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.3510, 0.2817, 0.3034 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, 231, 255) }
```

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

```
.border{ border-color:rgb(205, 231, 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, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3510, 0.2817, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 231, 255) }
```

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

```
.background{ background-color: rgb(205,  
231, 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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