

Converting Colors

$Yxy(77.2895, 0.2865, 0.3057)$

Have a look what the booklet for
Yxy(77.2895, 0.2865, 0.3057)
contains.

Yxy(77.3235, 0.2864, 0.3057)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.3235, 0.2864, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	D2E6FC
RGB	210, 230, 252
RGB Percent	82%, 90%, 99%
CMY	0.1765, 0.0980, 0.0119
CMYK	0.17, 0.09, 0.00, 0.01
HSL	211°, 87%, 91%
HSV	211°, 17%, 99%
XYZ	72.4418, 77.3235, 103.1739
YIQ	226.5280, -18.9820, 2.6020

Conversions

Conversions Part 2

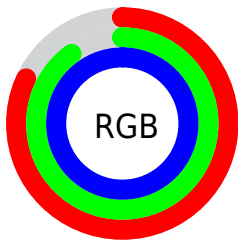
Format	Color
R _Y B	210, 224, 252
Decimal	13821692
CIE Lab	90.47, -2.20, -12.87
CIE LCh	90, 13.059, 260.301
Yxy	77.3235, 0.2864, 0.3057
Android (android.graphics.Color)	4292011772 (0xFFD2E6FC)
YUV	226.5280, 12.5577, -14.4951
Hunter-Lab	87.9338, -6.8319, -8.0121

Details

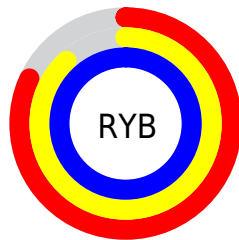
The Yxy color `77.3235, 0.2864, 0.3057` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83.0350, 0.3410, 0.3512`, and the grayscale version is `76.3741, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.5686, 0.2807, 0.3015` is the 20% darker color. If you saturate the color by 10%, you get `66.8511, 0.2699, 0.2896`, and if you desaturate by 10%, it is `88.9396, 0.3024, 0.3202`.

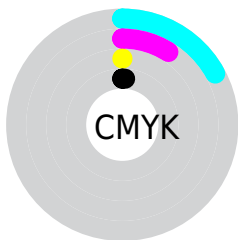
Distribution



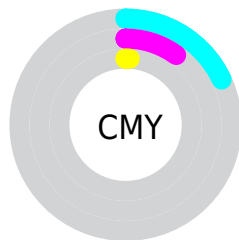
- Red (82%)
- Green (90%)
- Blue (99%)



- Red (82%)
- Yellow (88%)
- Blue (99%)



- Cyan (17%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (18%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3235, 0.2864, 0.3057 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 77.3235, 0.2864, 0.3057 by changing the saturation by 10% instead.

■ 77.3235, 0.2864,
0.3057

■ 77.3235, 0.2864,
0.3057

485.8663, 0.2984,
0.3164

■ 57.5184, 0.2837,
0.3033

129.5960, 0.2905,
0.3094

■ 41.4216, 0.2804,
0.3003

162.8323, 0.2921,
0.3108

■ 28.6487, 0.2763,
0.2966

201.3144, 0.2935,
0.3121

■ 18.8152, 0.2710,
0.2918

245.4267, 0.2947,
0.3131

■ 11.5368, 0.2639,
0.2853

295.5537, 0.2958,
0.3141

■ 6.4291, 0.2539,
0.2761

352.0797, 0.2968,

■ 3.1077, 0.2388,

0.3149

0.2621

415.3891, 0.2976,
0.3157

■ 1.1882, 0.2139,
0.2386

■ 0.0521, 0.0000,
0.0516

■ 77.3235, 0.2864,
0.3057

■ 77.3235, 0.2864,
0.3057

■ 66.8511, 0.2699,
0.2896

■ 88.9396, 0.3024,
0.3202

■ 57.4736, 0.2531,
0.2720

99.8062, 0.3145,
0.3319

■ 49.1520, 0.2367,
0.2530

■ 41.8414, 0.2209,
0.2330

■ 35.4925, 0.2065,
0.2124

■ 30.0509, 0.1940,
0.1917

■ 25.4545, 0.1839,
0.1717

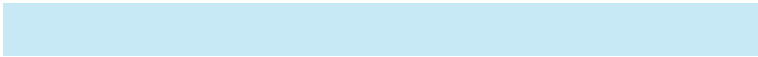
■ 21.6284, 0.1763,
0.1528

■ 20.4871, 0.1741,
0.1468

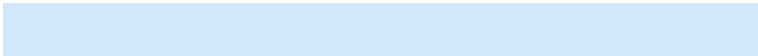
Harmonies

Analogous

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



77.3235, 0.2831, 0.3147



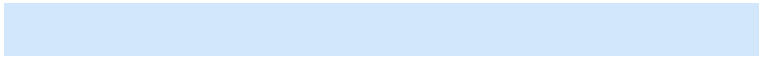
77.3235, 0.2864, 0.3057



77.3235, 0.2966, 0.3030

Triad

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



77.3235, 0.2864, 0.3057



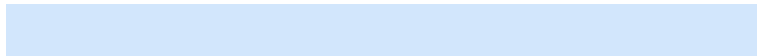
77.3235, 0.3385, 0.3291



77.3235, 0.3136, 0.3526

Complementary

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



77.3235, 0.2864, 0.3057



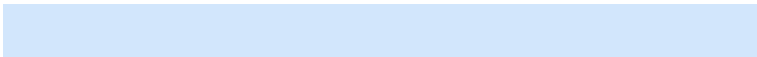
83.0350, 0.3410, 0.3512

Split Complementary

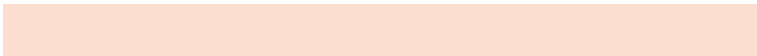
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3235, 0.3286, 0.3562



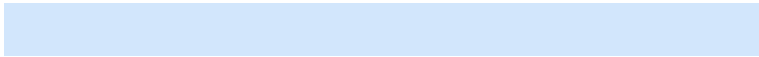
77.3235, 0.2864, 0.3057



77.3235, 0.3432, 0.3421

Square

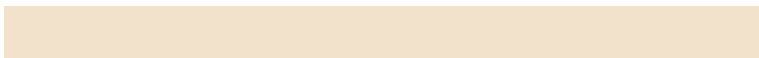
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



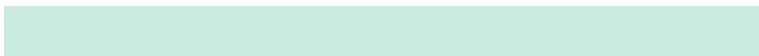
77.3235, 0.2864, 0.3057



77.3235, 0.3267, 0.3163



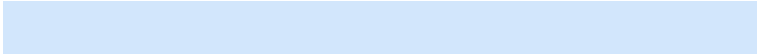
77.3235, 0.3395, 0.3522



77.3235, 0.2986, 0.3421

Rectangle

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



77.3235, 0.2864, 0.3057



77.3235, 0.3061, 0.3049



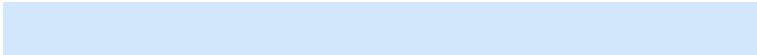
77.3235, 0.3395, 0.3522



77.3235, 0.3188, 0.3546

Sweetspot

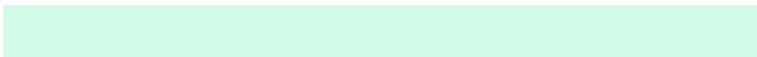
The Sweet Spot groups the original color and five complimentary colors.



77.3267, 0.2864, 0.3057



93.4782, 0.3050, 0.3225



89.1108, 0.2984, 0.3504



19.8172, 0.3039, 0.3215



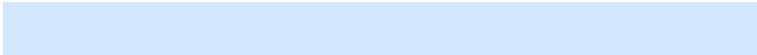
0.0000, 0.0000, 0.0000



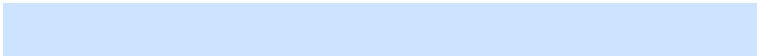
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3267, 0.2864, 0.3057



75.7162, 0.2809, 0.3005



66.9264, 0.2859, 0.2839



18.0081, 0.2980, 0.3163



10.9660, 0.1750, 0.1498



1.2264, 0.1811, 0.1720

Inverse Universe

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



72.4981, 0.3300, 0.3088



70.0645, 0.3342, 0.3046



94.8126, 0.3374, 0.3706



17.3630, 0.3219, 0.3177



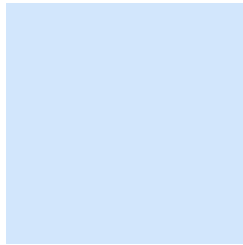
11.5179, 0.5061, 0.2562



1.0880, 0.4782, 0.2408

Previews

White Background



This preview shows how the Yxy color 77.3235, 0.2864, 0.3057 looks on a white background.

Color Contrast Check

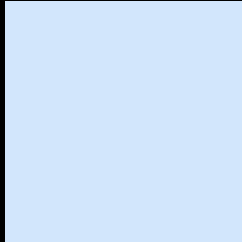
Large Text (above 18pt) WCAG AA × Fail

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 77.3235, 0.2864, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

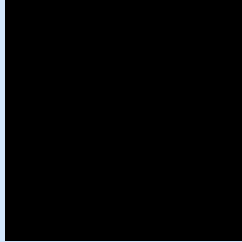
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

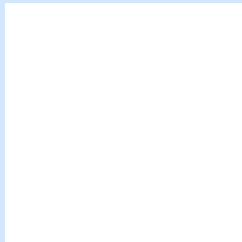
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3235, 0.2864, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 77.3235, 0.2864, 0.3057.



This preview shows how white text looks on a background with the Yxy color 77.3235, 0.2864, 0.3057.

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

77.3235, 0.2864, 0.3057

Protanopia

77.2398, 0.2976, 0.3051

Deuteranopia

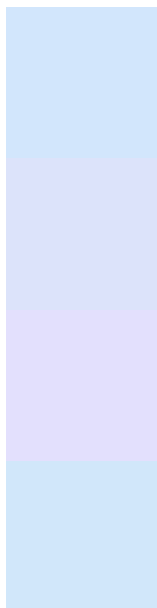
76.8732, 0.3026, 0.2957



Tritanopia

77.5467, 0.2875, 0.3098

Trichromacy



Original Color

77.3235, 0.2864, 0.3057

Protanomaly

77.0559, 0.2938, 0.3049

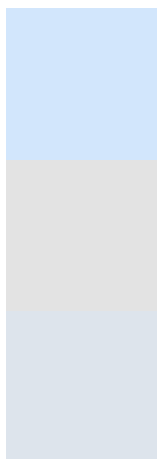
Deuteranomaly

76.7341, 0.2965, 0.2991

Tritanomaly

77.6093, 0.2869, 0.3088

Monochromacy



Original Color

77.3235, 0.2864, 0.3057

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.9151, 0.3029, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3235, 0.2864, 0.3057 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(210, 230, 252)` looks like.

```
.text, #text, p{  
    color:rgb(210, 230, 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(210, 230, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 230, 252) }
```

Border

The CSS property to change the border of an element to Yxy 77.3235, 0.2864, 0.3057 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(210, 230, 252) }
```

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

```
.border{ border-color:rgb(210, 230, 252) }
```

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

Here you see how a box with a 4 pixel rgb(210, 230, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 230, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 230, 252);  
box-shadow:4px 4px 4px 4px rgb(210, 230,  
252) }
```


Background

The CSS property to change the background color of an element to `Yxy 77.3235, 0.2864, 0.3057` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 230, 252) }
```

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

```
.background{ background-color: rgb(210,  
230, 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