

Converting Colors

$Y_{xy}(77.6727, 0.2925, 0.2954)$

Have a look what the booklet for
Yxy(77.6727, 0.2925, 0.2954)
contains.

Yxy(77.7815, 0.2947, 0.2992)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.7815, 0.2947, 0.2992)

Conversions

Conversions Part 1

Format	Color
Hex	E2E2FF
RGB	226, 226, 255
RGB Percent	89%, 89%, 100%
CMY	0.1137, 0.1137, 0.0000
CMYK	0.11, 0.11, 0.00, 0.00
HSL	240°, 100%, 94%
HSV	240°, 11%, 100%
XYZ	76.6117, 77.7815, 105.5717
YIQ	229.3060, -9.3090, 9.0190

Conversions

Conversions Part 2

Format	Color
R _Y B	226, 226, 255
Decimal	14869247
CIE Lab	90.68, 5.50, -14.02
CIE LCh	91, 15.059, 291.405
Yxy	77.7815, 0.2947, 0.2992
Android (android.graphics.Color)	4293059327 (0xFFE2E2FF)
YUV	229.3060, 12.6671, -2.8994
Hunter-Lab	88.1938, 0.7191, -9.2370

Details

The Yxy color **77.7815, 0.2947, 0.2992** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **98.2588, 0.3297, 0.3572**, and the grayscale version is **78.5047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8610, 0.2911, 0.2933** is the 20% darker color. If you saturate the color by 10%, you get **61.1138, 0.2766, 0.2692**, and if you desaturate by 10%, it is **97.1303, 0.3107, 0.3257**.

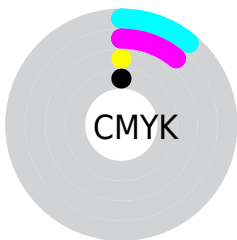
Distribution



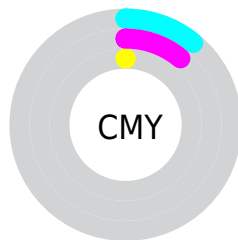
- Red (89%)
- Green (89%)
- Blue (100%)



- Red (89%)
- Yellow (89%)
- Blue (100%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7815, 0.2947, 0.2992 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 77.7815, 0.2947, 0.2992 by changing the saturation by 10% instead.

■ 77.7815, 0.2947,
0.2992

■ 77.7815, 0.2947,
0.2992

487.4245, 0.3030,
0.3126

■ 57.8945, 0.2928,
0.2962

130.2421, 0.2976,
0.3038

■ 41.7238, 0.2905,
0.2926

163.5844, 0.2987,
0.3056

■ 28.8851, 0.2876,
0.2880

202.1807, 0.2996,
0.3072

■ 18.9939, 0.2839,
0.2822

246.4152, 0.3005,
0.3085

■ 11.6659, 0.2788,
0.2744

296.6725, 0.3012,
0.3097

■ 6.5166, 0.2717,
0.2636

353.3369, 0.3019,

■ 3.1617, 0.2608,

0.3108

0.2476

416.7927, 0.3024,
0.3118

■ 1.2167, 0.2423,
0.2216

■ 0.0753, 0.1528,
0.0559

■ 77.7815, 0.2947,
0.2992

■ 77.7815, 0.2947,
0.2992

■ 61.1138, 0.2766,
0.2692

■ 97.1303, 0.3107,
0.3257

■ 46.9997, 0.2566,
0.2361

99.9992, 0.3127,
0.3290

■ 35.3163, 0.2352,
0.2008

■ 25.9262, 0.2134,
0.1648

■ 18.6789, 0.1928,
0.1306

■ 13.4055, 0.1749,
0.1011

■ 9.9120, 0.1615,
0.0789

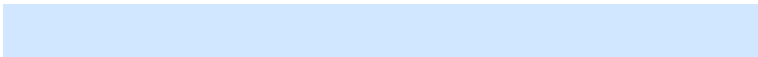
■ 7.9653, 0.1533,
0.0654

■ 7.2199, 0.1500,
0.0600

Harmonies

Analogous

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



77.7815, 0.2828, 0.3019



77.7815, 0.2947, 0.2992



77.7815, 0.3117, 0.3040

Triad

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



77.7815, 0.2947, 0.2992



77.7815, 0.3479, 0.3445



77.7815, 0.2959, 0.3436

Complementary

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



77.7815, 0.2947, 0.2992



98.2588, 0.3297, 0.3572

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.



77.7815, 0.3130, 0.3559



77.7815, 0.2947, 0.2992



77.7815, 0.3433, 0.3559

Square

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



77.7815, 0.2947, 0.2992



77.7815, 0.3428, 0.3296



77.7815, 0.3304, 0.3603



77.7815, 0.2835, 0.3273

Rectangle

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



77.7815, 0.2947, 0.2992



77.7815, 0.3237, 0.3107



77.7815, 0.3304, 0.3603



77.7815, 0.3012, 0.3484

Sweetspot

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



77.7848, 0.2947, 0.2992



93.7942, 0.3082, 0.3216



94.9007, 0.2952, 0.3289



19.7299, 0.3070, 0.3195



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.



77.7848, 0.2947, 0.2992



73.1487, 0.2901, 0.2917



80.2257, 0.3043, 0.3001



17.3782, 0.2978, 0.3044



3.7731, 0.1500, 0.0600



0.3675, 0.1501, 0.0600

Inverse Universe

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



82.8705, 0.3140, 0.3009



79.2988, 0.3144, 0.2943



95.6155, 0.3204, 0.3580



18.3003, 0.3138, 0.3056



14.8779, 0.3210, 0.1542



1.4486, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 77.7815, 0.2947, 0.2992 looks on a white background.

Color Contrast Check

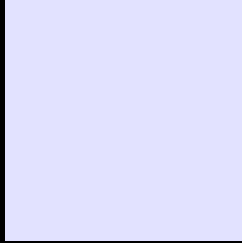
Large Text (above 18pt) WCAG AA × Fail

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 77.7815, 0.2947, 0.2992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

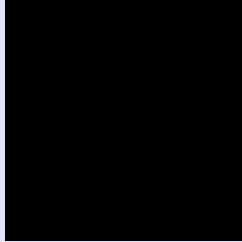
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7815, 0.2947, 0.2992

Background



This preview shows how black text looks on a background with the Yxy color 77.7815, 0.2947, 0.2992.

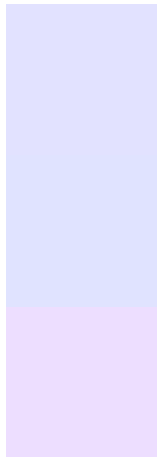


This preview shows how white text looks on a background with the Yxy color 77.7815, 0.2947, 0.2992.

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

77.7815, 0.2947, 0.2992

Protanopia

78.0055, 0.2934, 0.3001

Deuteranopia

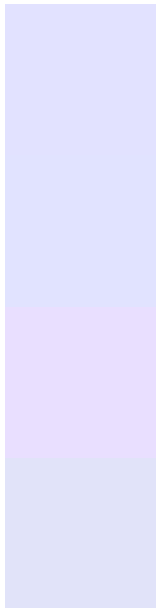
77.4671, 0.3019, 0.2957



Tritanopia

77.9879, 0.2988, 0.3102

Trichromacy



Original Color

77.7815, 0.2947, 0.2992

Protanomaly

78.1657, 0.2941, 0.3002

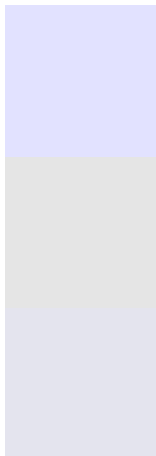
Deuteranomaly

77.3190, 0.2993, 0.2965

Tritanomaly

77.7853, 0.2976, 0.3062

Monochromacy



Original Color

77.7815, 0.2947, 0.2992

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1538, 0.3064, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7815, 0.2947, 0.2992 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(226, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 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(226, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.7815, 0.2947, 0.2992 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(226, 226, 255) }
```

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

```
.border{ border-color:rgb(226, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
255) }
```


Background

The CSS property to change the background color of an element to `rgb(77.7815, 0.2947, 0.2992)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 255) }
```

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

```
.background{ background-color: rgb(226,  
226, 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](#).

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