

Converting Colors

$Yxy(77.6570, 0.2993, 0.3048)$

Have a look what the booklet for
Yxy(77.6570, 0.2993, 0.3048)
contains.

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Color

Yxy(77.7262, 0.2996, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	E4E2F9
RGB	228, 226, 249
RGB Percent	89%, 89%, 98%
CMY	0.1061, 0.1136, 0.0236
CMYK	0.08, 0.09, 0.00, 0.02
HSL	245°, 66%, 93%
HSV	245°, 9%, 98%
XYZ	76.2750, 77.7262, 100.5883
YIQ	229.2200, -6.1910, 7.5770

Conversions

Conversions Part 2

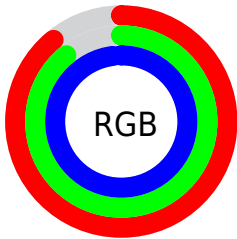
Format	Color
R _Y B	228, 226, 249
Decimal	15000313
CIE Lab	90.65, 4.92, -10.90
CIE LCh	91, 11.959, 294.306
Yxy	77.7262, 0.2996, 0.3053
Android (android.graphics.Color)	4293190393 (0xFFE4E2F9)
YUV	229.2200, 9.7515, -1.0699
Hunter-Lab	88.1625, 0.1476, -5.9328

Details

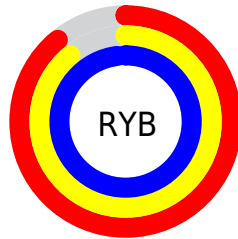
The Yxy color **77.7262, 0.2996, 0.3053** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **93.0162, 0.3252, 0.3518**, and the grayscale version is **78.4516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8603, 0.2967, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **61.6690, 0.2834, 0.2765**, and if you desaturate by 10%, it is **96.2482, 0.3137, 0.3309**.

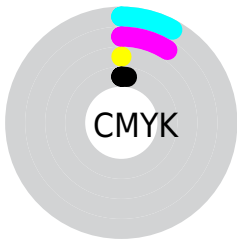
Distribution



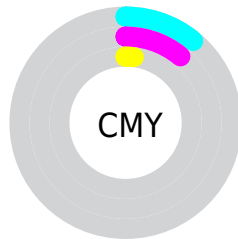
- Red (89%)
- Green (89%)
- Blue (98%)



- Red (89%)
- Yellow (89%)
- Blue (98%)



- Cyan (8%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (11%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7262, 0.2996, 0.3053 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 77.7262, 0.2996, 0.3053 by changing the saturation by 10% instead.

77.7262, 0.2996,
0.3053

77.7262, 0.2996,
0.3053

487.2365, 0.3056,
0.3160

57.8491, 0.2982,
0.3029

130.1641, 0.3017,
0.3090

41.6873, 0.2966,
0.3000

163.4936, 0.3025,
0.3104

28.8565, 0.2944,
0.2963

202.0761, 0.3032,
0.3117

18.9723, 0.2917,
0.2916

246.2960, 0.3038,
0.3128

11.6503, 0.2879,
0.2853

296.5375, 0.3043,
0.3137

6.5060, 0.2826,
0.2765

353.1852, 0.3048,

3.1551, 0.2745,

0.3146

0.2634

416.6234, 0.3052,
0.3153

■ 1.2133, 0.2604,
0.2416

■ 0.0725, 0.1715,
0.0658

■ 77.7262, 0.2996,
0.3053

■ 77.7262, 0.2996,
0.3053

■ 61.6690, 0.2834,
0.2765

■ 96.2482, 0.3137,
0.3309

■ 47.9634, 0.2653,
0.2446

■ 99.6184, 0.3162,
0.3348

■ 36.5018, 0.2456,
0.2104

■ 27.1643, 0.2250,
0.1752

■ 19.8202, 0.2045,
0.1411

■ 14.3238, 0.1857,
0.1106

■ 10.5099, 0.1701,
0.0863

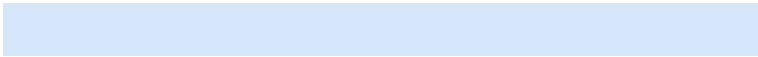
■ 8.1834, 0.1589,
0.0700

■ 7.0586, 0.1524,
0.0616

Harmonies

Analogous

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



77.7262, 0.2895, 0.3070



77.7262, 0.2996, 0.3053



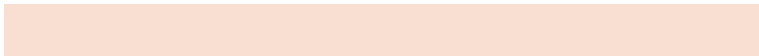
77.7262, 0.3134, 0.3096

Triad

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



77.7262, 0.2996, 0.3053



77.7262, 0.3406, 0.3425



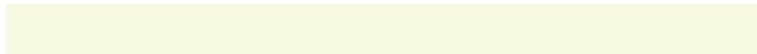
77.7262, 0.2982, 0.3394

Complementary

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



77.7262, 0.2996, 0.3053



93.0162, 0.3252, 0.3518

Split Complementary

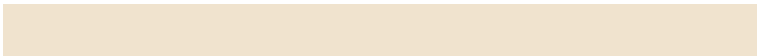
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7262, 0.3116, 0.3495



77.7262, 0.2996, 0.3053



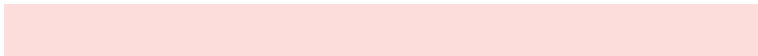
77.7262, 0.3362, 0.3510

Square

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



77.7262, 0.2996, 0.3053



77.7262, 0.3373, 0.3308



77.7262, 0.3256, 0.3538



77.7262, 0.2887, 0.3265

Rectangle

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



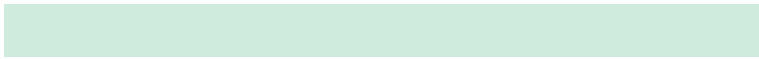
77.7262, 0.2996, 0.3053



77.7262, 0.3228, 0.3154



77.7262, 0.3256, 0.3538



77.7262, 0.3024, 0.3433

Sweetspot

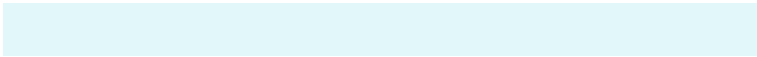
The Sweet Spot groups the original color and five complimentary colors.



77.7295, 0.2996, 0.3053



93.9107, 0.3086, 0.3216



89.5740, 0.2985, 0.3270



19.7611, 0.3075, 0.3196



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.



77.7295, 0.2996, 0.3053



78.8386, 0.2969, 0.3004



79.6670, 0.3073, 0.3059



16.7126, 0.2992, 0.3045



3.7697, 0.1526, 0.0615



0.3722, 0.1586, 0.0647

Inverse Universe

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



81.2606, 0.3150, 0.3082



83.2402, 0.3155, 0.3041



90.9945, 0.3177, 0.3523



17.4980, 0.3151, 0.3076



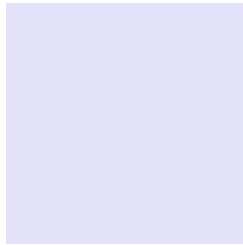
13.7928, 0.3432, 0.1664



1.2846, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 77.7262, 0.2996, 0.3053 looks on a white background.

Color Contrast Check

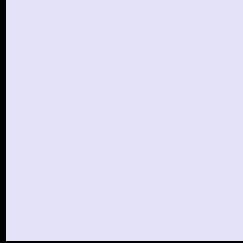
Large Text (above 18pt) WCAG AA × Fail

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 77.7262, 0.2996, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

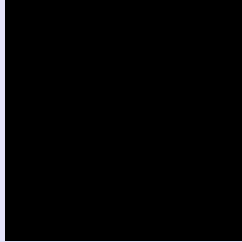
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7262, 0.2996, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 77.7262, 0.2996, 0.3053.

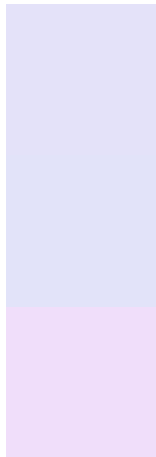


This preview shows how white text looks on a background with the Yxy color 77.7262, 0.2996, 0.3053.

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

77.7262, 0.2996, 0.3053

Protanopia

77.9465, 0.2983, 0.3062

Deuteranopia

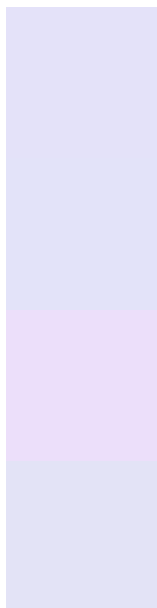
77.6699, 0.3071, 0.3008



Tritanopia

77.8616, 0.3014, 0.3103

Trichromacy



Original Color

77.7262, 0.2996, 0.3053

Protanomaly

78.1086, 0.2990, 0.3063

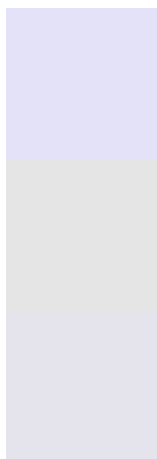
Deuteranomaly

77.5103, 0.3044, 0.3016

Tritanomaly

77.9229, 0.3008, 0.3093

Monochromacy



Original Color

77.7262, 0.2996, 0.3053

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.2009, 0.3083, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7262, 0.2996, 0.3053 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(228, 226, 249)` looks like.

```
.text, #text, p{  
    color:rgb(228, 226, 249)  
}
```

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(228, 226, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 226, 249) }
```

Border

The CSS property to change the border of an element to Yxy 77.7262, 0.2996, 0.3053 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(228, 226, 249) }
```

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

```
.border{ border-color:rgb(228, 226, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 226, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 226, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 226, 249);  
box-shadow:4px 4px 4px 4px rgb(228, 226,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7262, 0.2996, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 226, 249) }
```

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

```
.background{ background-color: rgb(228,  
226, 249) }
```

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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