

Converting Colors

$Y_{xy}(78.5535, 0.2957, 0.3003)$

Have a look what the booklet for
Yxy(78.5535, 0.2957, 0.3003)
contains.

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Color

Yxy(78.6522, 0.2960, 0.3003)

Conversions

Conversions Part 1

Format	Color
Hex	E4E3FF
RGB	228, 227, 255
RGB Percent	89%, 89%, 100%
CMY	0.1058, 0.1098, 0.0000
CMYK	0.11, 0.11, 0.00, 0.00
HSL	242°, 100%, 95%
HSV	242°, 11%, 100%
XYZ	77.5260, 78.6522, 105.7339
YIQ	230.4910, -8.3920, 8.9200

Conversions

Conversions Part 2

Format	Color
RYB	228, 227, 255
Decimal	15000575
CIELab	91.08, 5.63, -13.44
CIELCh	91, 14.570, 292.733
Yxy	78.6522, 0.2960, 0.3003
Android (android.graphics.Color)	4293190655 (0xFFE4E3FF)
YUV	230.4910, 12.0829, -2.1846
Hunter-Lab	88.6861, 0.8372, -8.6069

Details

The Yxy color **78.6522, 0.2960, 0.3003** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **98.1287, 0.3285, 0.3562**, and the grayscale version is **79.4298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3529, 0.2920, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **61.9871, 0.2786, 0.2707**, and if you desaturate by 10%, it is **97.9549, 0.3113, 0.3266**.

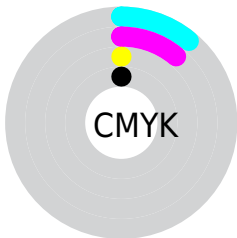
Distribution



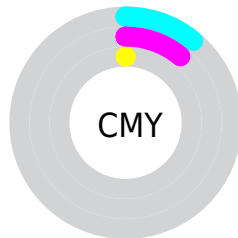
- Red (89%)
- Green (89%)
- Blue (100%)



- 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 78.6522, 0.2960, 0.3003 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 78.6522, 0.2960, 0.3003 by changing the saturation by 10% instead.

■ 78.6522, 0.2960,
0.3003

■ 78.6522, 0.2960,
0.3003

490.3790, 0.3037,
0.3132

■ 58.6099, 0.2943,
0.2974

131.4691, 0.2986,
0.3047

■ 42.2992, 0.2921,
0.2939

165.0125, 0.2997,
0.3064

■ 29.3356, 0.2895,
0.2896

203.8251, 0.3006,
0.3079

■ 19.3349, 0.2860,
0.2840

248.2912, 0.3013,
0.3093

■ 11.9125, 0.2813,
0.2766

298.7952, 0.3020,
0.3104

■ 6.6841, 0.2747,
0.2662

355.7216, 0.3026,

■ 3.2653, 0.2647,

0.3115

0.2510

419.4547, 0.3032,
0.3124

■ 1.2718, 0.2477,
0.2262

■ 0.1192, 0.1738,
0.0826

■ 78.6522, 0.2960,
0.3003

■ 78.6522, 0.2960,
0.3003

■ 61.9871, 0.2786,
0.2707

■ 97.9549, 0.3113,
0.3266

■ 47.8427, 0.2593,
0.2379

100.0000, 0.3127,
0.3290

■ 36.0970, 0.2386,
0.2029

■ 26.6171, 0.2172,
0.1673

■ 19.2570, 0.1967,
0.1333

■ 13.8535, 0.1785,
0.1036

■ 10.2200, 0.1642,
0.0808

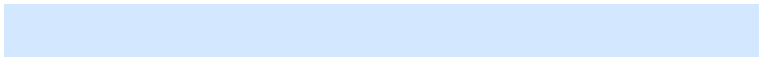
■ 8.1334, 0.1549,
0.0665

■ 7.2812, 0.1508,
0.0604

Harmonies

Analogous

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



78.6522, 0.2842, 0.3026



78.6522, 0.2960, 0.3003



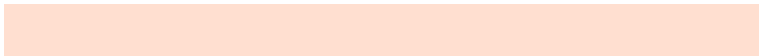
78.6522, 0.3125, 0.3052

Triad

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



78.6522, 0.2960, 0.3003



78.6522, 0.3466, 0.3446



78.6522, 0.2958, 0.3424

Complementary

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



78.6522, 0.2960, 0.3003



98.1287, 0.3285, 0.3562

Split Complementary

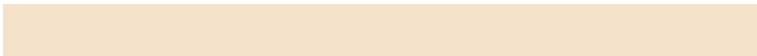
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6522, 0.3122, 0.3545



78.6522, 0.2960, 0.3003



78.6522, 0.3418, 0.3553

Square

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



78.6522, 0.2960, 0.3003



78.6522, 0.3421, 0.3302



78.6522, 0.3291, 0.3592



78.6522, 0.2841, 0.3267

Rectangle

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



78.6522, 0.2960, 0.3003



78.6522, 0.3241, 0.3119



78.6522, 0.3291, 0.3592



78.6522, 0.3009, 0.3471

Sweetspot

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



78.6531, 0.2960, 0.3003



93.8455, 0.3084, 0.3216



94.4753, 0.2958, 0.3280



19.7436, 0.3072, 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.



78.6531, 0.2960, 0.3003



75.0840, 0.2927, 0.2946



81.0185, 0.3052, 0.3011



17.4099, 0.2984, 0.3044



3.8185, 0.1511, 0.0606



0.3826, 0.1537, 0.0620

Inverse Universe

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



83.3468, 0.3147, 0.3029



80.5638, 0.3150, 0.2980



95.6018, 0.3196, 0.3570



18.2880, 0.3144, 0.3064



14.5754, 0.3305, 0.1594



1.4227, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 78.6522, 0.2960, 0.3003 looks on a white background.

Color Contrast Check

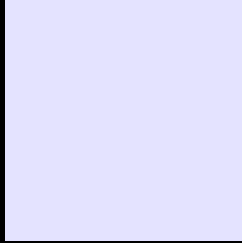
Large Text (above 18pt) WCAG AA × Fail

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 78.6522, 0.2960, 0.3003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

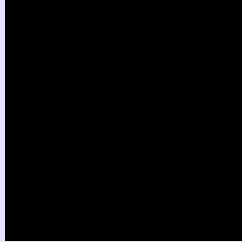
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6522, 0.2960, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 78.6522, 0.2960, 0.3003.

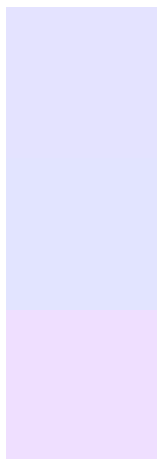


This preview shows how white text looks on a background with the Yxy color 78.6522, 0.2960, 0.3003.

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

78.6522, 0.2960, 0.3003

Protanopia

78.8756, 0.2947, 0.3013

Deuteranopia

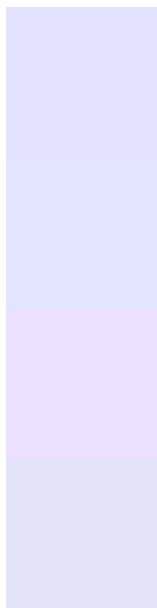
78.3461, 0.3033, 0.2969



Tritanopia

78.4715, 0.3008, 0.3103

Trichromacy



Original Color

78.6522, 0.2960, 0.3003

Protanomaly

79.0377, 0.2954, 0.3013

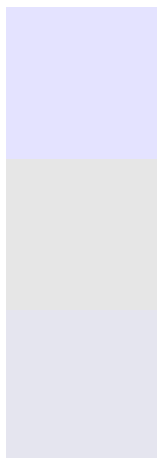
Deuteranomaly

78.1935, 0.3006, 0.2977

Tritanomaly

78.6573, 0.2990, 0.3073

Monochromacy



Original Color

78.6522, 0.2960, 0.3003

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.9286, 0.3064, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6522, 0.2960, 0.3003 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 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(228, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.6522, 0.2960, 0.3003 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, 227, 255) }
```

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

```
.border{ border-color:rgb(228, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6522, 0.2960, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 255) }
```

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

```
.background{ background-color: rgb(228,  
227, 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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