

Converting Colors

$Y_{xy}(79.7241, 0.2936, 0.3020)$

Have a look what the booklet for
Yxy(79.7241, 0.2936, 0.3020)
contains.

Yxy(79.8212, 0.2941, 0.3033)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.8212, 0.2941, 0.3033)

Conversions

Conversions Part 1

Format	Color
Hex	E1E6FF
RGB	225, 230, 255
RGB Percent	88%, 90%, 100%
CMY	0.1177, 0.0980, 0.0000
CMYK	0.12, 0.10, 0.00, 0.00
HSL	230°, 100%, 94%
HSV	230°, 12%, 100%
XYZ	77.4000, 79.8212, 105.9546
YIQ	231.3550, -11.0050, 6.7150

Conversions

Conversions Part 2

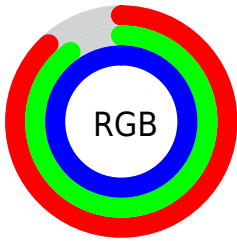
Format	Color
R _Y B	225, 229, 255
Decimal	14804735
CIE Lab	91.60, 3.10, -12.67
CIE LCh	92, 13.040, 283.761
Yxy	79.8212, 0.2941, 0.3033
Android (android.graphics.Color)	4292994815 (0xFFE1E6FF)
YUV	231.3550, 11.6570, -5.5733
Hunter-Lab	89.3427, -1.7104, -7.7741

Details

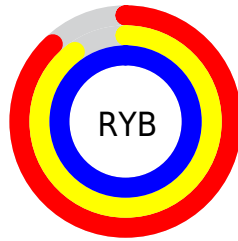
The Yxy color **79.8212, 0.2941, 0.3033** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.0633, 0.3309, 0.3534**, and the grayscale version is **80.1073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2832, 0.2905, 0.2986** is the 20% darker color. If you saturate the color by 10%, you get **64.9131, 0.2766, 0.2784**, and if you desaturate by 10%, it is **96.7859, 0.3101, 0.3254**.

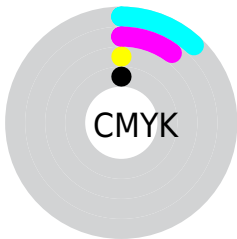
Distribution



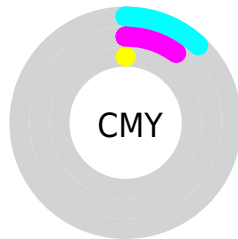
- Red (88%)
- Green (90%)
- Blue (100%)



- Red (88%)
- Yellow (90%)
- Blue (100%)



- Cyan (12%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8212, 0.2941, 0.3033 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 79.8212, 0.2941, 0.3033 by changing the saturation by 10% instead.

■ 79.8212, 0.2941,
0.3033

■ 79.8212, 0.2941,
0.3033

494.3301, 0.3026,
0.3149

■ 59.5712, 0.2922,
0.3007

133.1143, 0.2970,
0.3073

■ 43.0731, 0.2899,
0.2976

166.9263, 0.2982,
0.3088

■ 29.9425, 0.2869,
0.2937

206.0276, 0.2991,
0.3102

■ 19.7949, 0.2832,
0.2886

250.8029, 0.3000,
0.3113

■ 12.2461, 0.2781,
0.2819

301.6363, 0.3008,
0.3124

■ 6.9115, 0.2710,
0.2726

358.9124, 0.3014,

■ 3.4068, 0.2603,

0.3133

0.2587

423.0155, 0.3020,
0.3141

■ 1.3476, 0.2423,
0.2360

■ 0.1776, 0.1624,
0.1180

■ 79.8212, 0.2941,
0.3033

■ 79.8212, 0.2941,
0.3033

■ 64.9131, 0.2766,
0.2784

■ 96.7859, 0.3101,
0.3254

■ 51.9776, 0.2577,
0.2509

100.0000, 0.3127,
0.3290

■ 40.9329, 0.2378,
0.2211

■ 31.6891, 0.2179,
0.1899

■ 24.1490, 0.1987,
0.1588

■ 18.2059, 0.1817,
0.1296

■ 13.7405, 0.1679,
0.1041

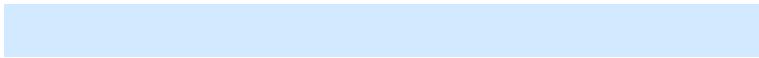
■ 10.6159, 0.1583,
0.0841

■ 8.9153, 0.1535,
0.0724

Harmonies

Analogous

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



79.8212, 0.2854, 0.3074



79.8212, 0.2941, 0.3033



79.8212, 0.3079, 0.3058

Triad

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



79.8212, 0.2941, 0.3033



79.8212, 0.3425, 0.3393



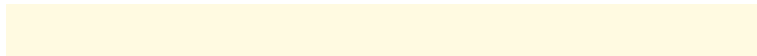
79.8212, 0.3018, 0.3447

Complementary

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



79.8212, 0.2941, 0.3033



95.0633, 0.3309, 0.3534

Split Complementary

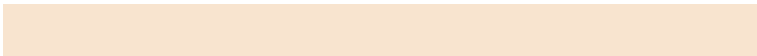
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8212, 0.3169, 0.3537



79.8212, 0.2941, 0.3033



79.8212, 0.3407, 0.3501

Square

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



79.8212, 0.2941, 0.3033



79.8212, 0.3361, 0.3262



79.8212, 0.3312, 0.3556



79.8212, 0.2897, 0.3312

Rectangle

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



79.8212, 0.2941, 0.3033



79.8212, 0.3183, 0.3108



79.8212, 0.3312, 0.3556



79.8212, 0.3067, 0.3483

Sweetspot

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



79.8230, 0.2941, 0.3033



92.8139, 0.3066, 0.3207



94.3979, 0.2976, 0.3345



19.5848, 0.3055, 0.3191



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.



79.8230, 0.2941, 0.3033



76.3163, 0.2903, 0.2980



78.6459, 0.3003, 0.2987



17.8674, 0.2979, 0.3086



4.8010, 0.1540, 0.0743



0.5984, 0.1589, 0.0920

Inverse Universe

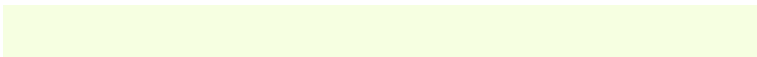
The Inverse Universe completely reimagines the original color for something new.



80.8224, 0.3306, 0.3241



77.5300, 0.3345, 0.3231



96.4585, 0.3242, 0.3587



18.0365, 0.3268, 0.3251



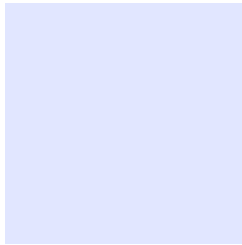
11.2126, 0.6161, 0.3168



1.1050, 0.5881, 0.3013

Previews

White Background



This preview shows how the Yxy color 79.8212, 0.2941, 0.3033 looks on a white background.

Color Contrast Check

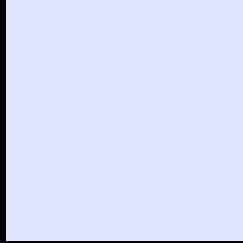
Large Text (above 18pt) WCAG AA × Fail

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 79.8212, 0.2941, 0.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

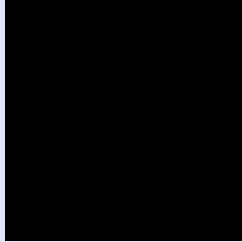
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8212, 0.2941, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 79.8212, 0.2941, 0.3033.

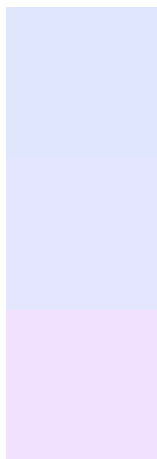


This preview shows how white text looks on a background with the Yxy color 79.8212, 0.2941, 0.3033.

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

79.8212, 0.2941, 0.3033

Protanopia

79.6884, 0.2966, 0.3034

Deuteranopia

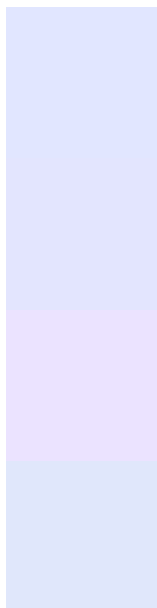
79.7712, 0.3046, 0.2991



Tritanopia

79.8387, 0.2970, 0.3103

Trichromacy



Original Color

79.8212, 0.2941, 0.3033

Protanomaly

79.5253, 0.2960, 0.3034

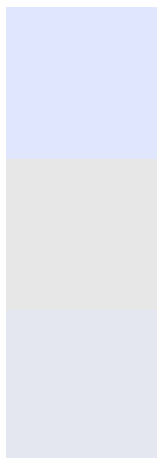
Deuteranomaly

79.8203, 0.3006, 0.3007

Tritanomaly

79.9642, 0.2959, 0.3083

Monochromacy



Original Color

79.8212, 0.2941, 0.3033

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.1011, 0.3058, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8212, 0.2941, 0.3033 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(225, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 230, 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(225, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.8212, 0.2941, 0.3033 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(225, 230, 255) }
```

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

```
.border{ border-color:rgb(225, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(225, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8212, 0.2941, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 230, 255) }
```

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

```
.background{ background-color: rgb(225,  
230, 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