

Converting Colors

$Yxy(79.5598, 0.2928, 0.3033)$

Have a look what the booklet for
Yxy(79.5598, 0.2928, 0.3033)
contains.

Yxy(79.5016, 0.2928, 0.3032)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(79.5016, 0.2928, 0.3032)

Conversions

Conversions Part 1

Format	Color
Hex	DFE6FF
RGB	223, 230, 255
RGB Percent	87%, 90%, 100%
CMY	0.1256, 0.0980, 0.0000
CMYK	0.13, 0.10, 0.00, 0.00
HSL	227°, 100%, 94%
HSV	227°, 13%, 100%
XYZ	76.7746, 79.5016, 105.9322
YIQ	230.7570, -12.1970, 6.2910

Conversions

Conversions Part 2

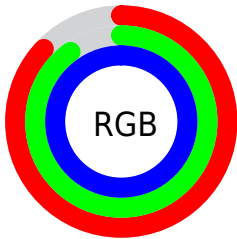
Format	Color
R _Y B	223, 229, 255
Decimal	14673663
CIE _{Lab}	91.46, 2.46, -12.90
CIE _{LCh}	91, 13.132, 280.800
Yxy	79.5016, 0.2928, 0.3032
Android (android.graphics.Color)	4292863743 (0xFFDFE6FF)
YUV	230.7570, 11.9518, -6.8029
Hunter-Lab	89.1637, -2.3385, -8.0258

Details

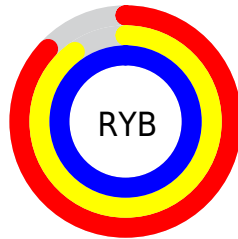
The Yxy color **79.5016, 0.2928, 0.3032** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.6953, 0.3324, 0.3535**, and the grayscale version is **79.6345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0620, 0.2888, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **65.3047, 0.2754, 0.2798**, and if you desaturate by 10%, it is **95.5746, 0.3089, 0.3241**.

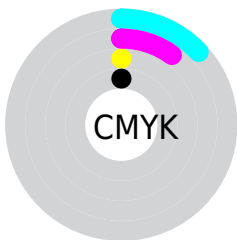
Distribution



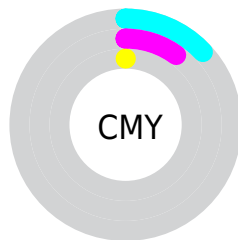
- Red (87%)
- Green (90%)
- Blue (100%)



- Red (87%)
- Yellow (90%)
- Blue (100%)



- Cyan (13%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5016, 0.2928, 0.3032 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 79.5016, 0.2928, 0.3032 by changing the saturation by 10% instead.

■ 79.5016, 0.2928,
0.3032

■ 79.5016, 0.2928,
0.3032

493.2516, 0.3019,
0.3149

■ 59.3083, 0.2908,
0.3006

132.6648, 0.2959,
0.3072

■ 42.8614, 0.2883,
0.2974

166.4035, 0.2971,
0.3088

■ 29.7763, 0.2852,
0.2935

205.4261, 0.2982,
0.3101

■ 19.6689, 0.2811,
0.2884

250.1170, 0.2991,
0.3113

■ 12.1546, 0.2757,
0.2816

300.8606, 0.2999,
0.3123

■ 6.8491, 0.2681,
0.2722

358.0413, 0.3006,

■ 3.3679, 0.2567,

0.3133

0.2581

422.0435, 0.3013,
0.3141

■ 1.3267, 0.2376,
0.2351

■ 0.1617, 0.1466,
0.1109

■ 79.5016, 0.2928,
0.3032

■ 79.5016, 0.2928,
0.3032

■ 65.3047, 0.2754,
0.2798

■ 95.5746, 0.3089,
0.3241

■ 52.9107, 0.2568,
0.2539

100.0000, 0.3127,
0.3290

■ 42.2469, 0.2374,
0.2258

■ 33.2344, 0.2181,
0.1964

■ 25.7875, 0.1997,
0.1668

■ 19.8128, 0.1832,
0.1385

■ 15.2058, 0.1699,
0.1132

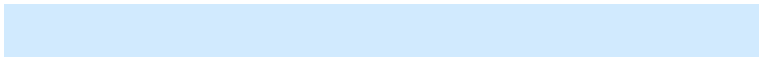
■ 11.8466, 0.1604,
0.0924

■ 10.0540, 0.1557,
0.0804

Harmonies

Analogous

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



79.5016, 0.2846, 0.3080



79.5016, 0.2928, 0.3032



79.5016, 0.3064, 0.3051

Triad

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



79.5016, 0.2928, 0.3032



79.5016, 0.3425, 0.3381



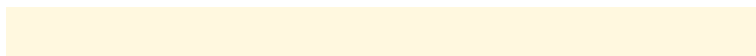
79.5016, 0.3031, 0.3459

Complementary

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



79.5016, 0.2928, 0.3032



93.6953, 0.3324, 0.3535

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.



79.5016, 0.3185, 0.3544



79.5016, 0.2928, 0.3032



79.5016, 0.3415, 0.3494

Square

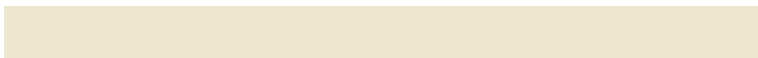
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.5016, 0.2928, 0.3032



79.5016, 0.3353, 0.3249



79.5016, 0.3326, 0.3556



79.5016, 0.2905, 0.3327

Rectangle

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



79.5016, 0.2928, 0.3032



79.5016, 0.3168, 0.3097



79.5016, 0.3326, 0.3556



79.5016, 0.3081, 0.3495

Sweetspot

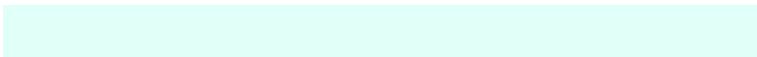
The Sweet Spot groups the original color and five complimentary colors.



79.5029, 0.2928, 0.3032



93.1440, 0.3066, 0.3212



93.9511, 0.2975, 0.3365



19.6681, 0.3055, 0.3197



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.



79.5029, 0.2928, 0.3032



75.8698, 0.2887, 0.2978



77.0531, 0.2983, 0.2964



18.0251, 0.2979, 0.3099



5.4317, 0.1563, 0.0828



0.6818, 0.1618, 0.1026

Inverse Universe

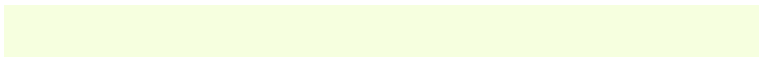
The Inverse Universe completely reimagines the original color for something new.



79.7328, 0.3308, 0.3220



76.2018, 0.3349, 0.3206



96.5219, 0.3260, 0.3607



18.0524, 0.3260, 0.3238



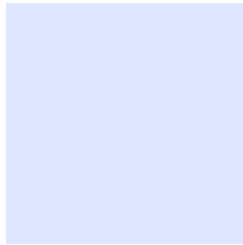
11.2763, 0.6026, 0.3093



1.1134, 0.5720, 0.2925

Previews

White Background



This preview shows how the Yxy color 79.5016, 0.2928, 0.3032 looks on a white background.

Color Contrast Check

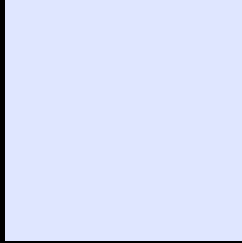
Large Text (above 18pt) WCAG AA × Fail

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 79.5016, 0.2928, 0.3032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

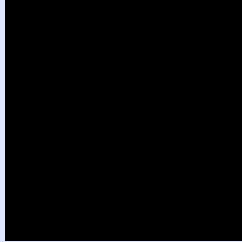
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5016, 0.2928, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 79.5016, 0.2928, 0.3032.



This preview shows how white text looks on a background with the Yxy color 79.5016, 0.2928, 0.3032.

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

79.5016, 0.2928, 0.3032

Protanopia

79.5253, 0.2960, 0.3034

Deuteranopia

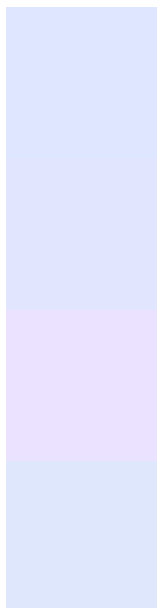
79.0566, 0.3039, 0.2980



Tritanopia

79.5210, 0.2957, 0.3103

Trichromacy



Original Color

79.5016, 0.2928, 0.3032

Protanomaly

79.3631, 0.2953, 0.3033

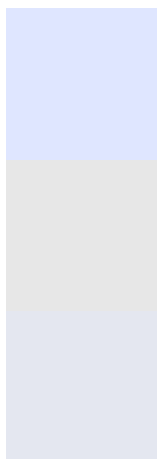
Deuteranomaly

79.1051, 0.2999, 0.2997

Tritanomaly

79.6465, 0.2946, 0.3082

Monochromacy



Original Color

79.5016, 0.2928, 0.3032

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.9371, 0.3051, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5016, 0.2928, 0.3032 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(223, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.5016, 0.2928, 0.3032 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(223, 230, 255) }
```

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

```
.border{ border-color:rgb(223, 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(223, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5016, 0.2928, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 230, 255) }
```

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

```
.background{ background-color: rgb(223,  
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