

Converting Colors

$Yxy(81.3788, 0.2728, 0.2801)$

Have a look what the booklet for
Yxy(81.3788, 0.2728, 0.2801)
contains.

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Color

Yxy(79.7940, 0.2873, 0.3060)

Conversions

Conversions Part 1

Format	Color
Hex	D6E9FF
RGB	214, 233, 255
RGB Percent	84%, 91%, 100%
CMY	0.1608, 0.0862, 0.0000
CMYK	0.16, 0.09, 0.00, 0.00
HSL	212°, 100%, 92%
HSV	212°, 16%, 100%
XYZ	74.9177, 79.7940, 106.0530
YIQ	229.8270, -18.3860, 2.8140

Conversions

Conversions Part 2

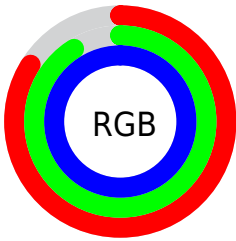
Format	Color
R _Y B	214, 227, 255
Decimal	14084607
CIE Lab	91.59, -1.89, -12.75
CIE LCh	92, 12.888, 261.561
Yxy	79.7940, 0.2873, 0.3060
Android (android.graphics.Color)	4292274687 (0xFFD6E9FF)
YUV	229.8270, 12.4103, -13.8803
Hunter-Lab	89.3275, -6.6177, -7.8621

Details

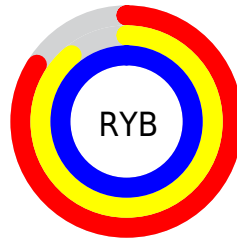
The Yxy color **79.7940, 0.2873, 0.3060** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0923, 0.3399, 0.3510**, and the grayscale version is **78.9140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.8924, 0.2818, 0.3006** is the 20% darker color. If you saturate the color by 10%, you get **68.8117, 0.2707, 0.2896**, and if you desaturate by 10%, it is **91.9834, 0.3033, 0.3208**.

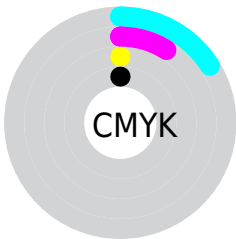
Distribution



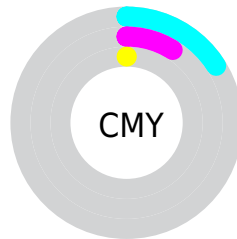
- Red (84%)
- Green (91%)
- Blue (100%)



- Red (84%)
- Yellow (89%)
- Blue (100%)



- Cyan (16%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7940, 0.2873, 0.3060 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 79.7940, 0.2873, 0.3060 by changing the saturation by 10% instead.

■ 79.7940, 0.2873,
0.3060

■ 79.7940, 0.2873,
0.3060

494.2383, 0.2988,
0.3165

■ 59.5489, 0.2847,
0.3037

133.0761, 0.2912,
0.3096

■ 43.0551, 0.2816,
0.3008

166.8818, 0.2928,
0.3110

■ 29.9284, 0.2777,
0.2972

205.9765, 0.2941,
0.3122

■ 19.7842, 0.2726,
0.2925

250.7445, 0.2953,
0.3133

■ 12.2383, 0.2659,
0.2863

301.5703, 0.2963,
0.3142

■ 6.9062, 0.2565,
0.2775

358.8383, 0.2972,

■ 3.4035, 0.2425,

0.3151

0.2643

422.9328, 0.2981,
0.3158

■ 1.3458, 0.2196,
0.2424

■ 0.1763, 0.0876,
0.1272

■ 79.7940, 0.2873,
0.3060

■ 79.7940, 0.2873,
0.3060

■ 68.8117, 0.2707,
0.2896

■ 91.9834, 0.3033,
0.3208

■ 58.9851, 0.2539,
0.2716

99.9995, 0.3127,
0.3290

■ 50.2736, 0.2372,
0.2522

■ 42.6298, 0.2212,
0.2316

■ 36.0022, 0.2066,
0.2105

■ 30.3339, 0.1937,
0.1894

■ 25.5603, 0.1833,
0.1688

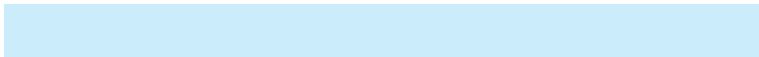
■ 21.6040, 0.1755,
0.1496

■ 20.2367, 0.1729,
0.1425

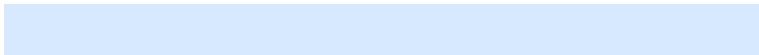
Harmonies

Analogous

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



79.7940, 0.2838, 0.3146



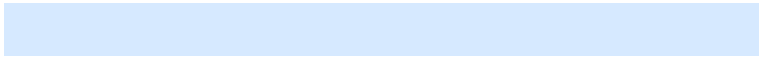
79.7940, 0.2873, 0.3060



79.7940, 0.2975, 0.3036

Triad

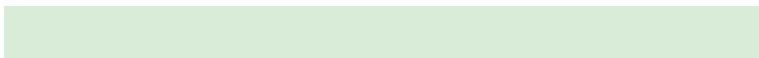
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.7940, 0.2873, 0.3060



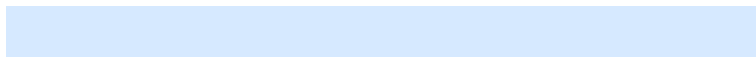
79.7940, 0.3382, 0.3296



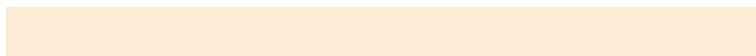
79.7940, 0.3129, 0.3517

Complementary

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



79.7940, 0.2873, 0.3060



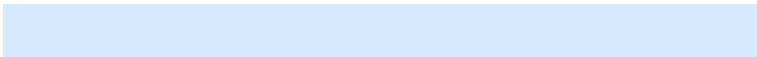
86.0923, 0.3399, 0.3510

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.



79.7940, 0.3277, 0.3555



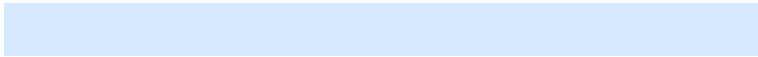
79.7940, 0.2873, 0.3060



79.7940, 0.3425, 0.3423

Square

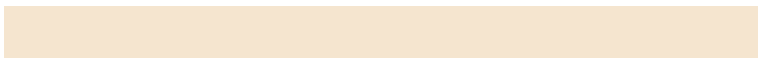
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7940, 0.2873, 0.3060



79.7940, 0.3269, 0.3171



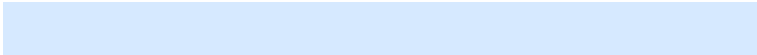
79.7940, 0.3386, 0.3519



79.7940, 0.2984, 0.3413

Rectangle

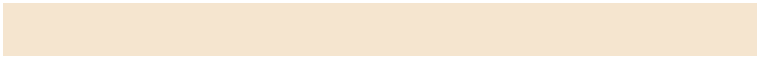
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



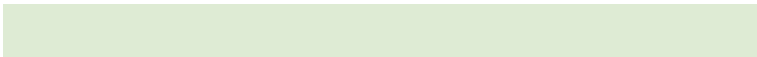
79.7940, 0.2873, 0.3060



79.7940, 0.3069, 0.3057



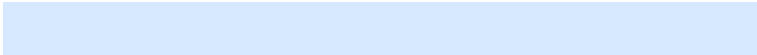
79.7940, 0.3386, 0.3519



79.7940, 0.3180, 0.3538

Sweetspot

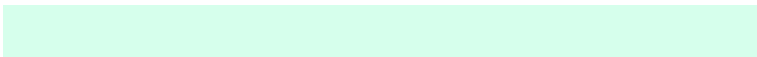
The Sweet Spot groups the original color and five complimentary colors.



79.7973, 0.2873, 0.3060



93.3766, 0.3050, 0.3223



91.8584, 0.2985, 0.3489



19.7925, 0.3039, 0.3213



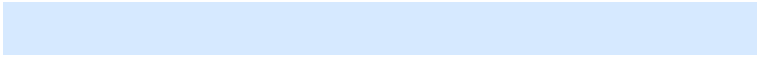
0.0000, 0.0000, 0.0000



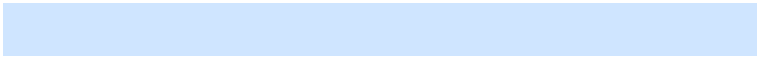
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7973, 0.2873, 0.3060



76.4700, 0.2825, 0.3014



69.8121, 0.2873, 0.2856



18.7663, 0.2979, 0.3159



10.8666, 0.1738, 0.1455



1.2740, 0.1797, 0.1669

Inverse Universe

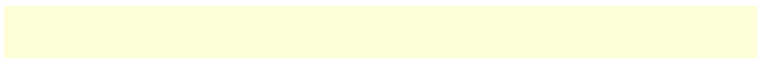
The Inverse Universe completely reimagines the original color for something new.



75.2329, 0.3297, 0.3101



71.3261, 0.3334, 0.3065



97.3700, 0.3361, 0.3692



18.1273, 0.3221, 0.3180



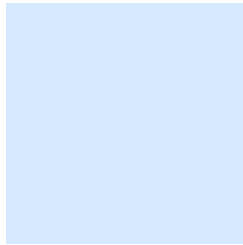
11.8250, 0.5118, 0.2593



1.1732, 0.4845, 0.2442

Previews

White Background



This preview shows how the Yxy color 79.7940, 0.2873, 0.3060 looks on a white background.

Color Contrast Check

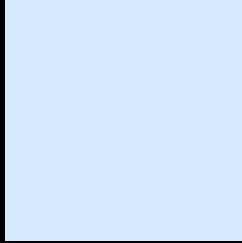
Large Text (above 18pt) WCAG AA × Fail

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 79.7940, 0.2873, 0.3060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

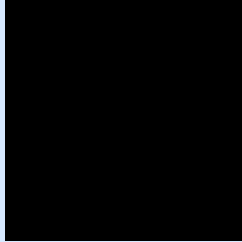
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

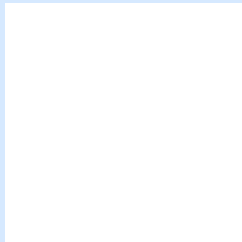
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7940, 0.2873, 0.3060

Background



This preview shows how black text looks on a background with the Yxy color 79.7940, 0.2873, 0.3060.



This preview shows how white text looks on a background with the Yxy color 79.7940, 0.2873, 0.3060.

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

79.7940, 0.2873, 0.3060

Protanopia

79.6245, 0.2972, 0.3044

Deuteranopia

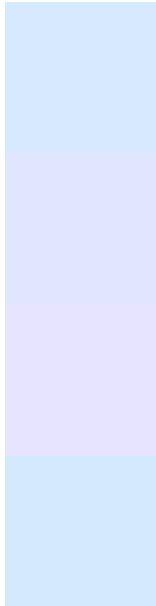
79.5957, 0.3039, 0.2990



Tritanopia

79.4522, 0.2884, 0.3090

Trichromacy



Original Color

79.7940, 0.2873, 0.3060

Protanomaly

79.4374, 0.2934, 0.3042

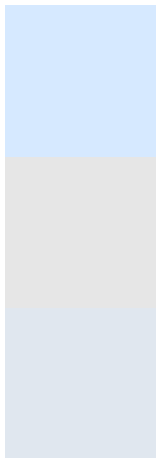
Deuteranomaly

79.6957, 0.2980, 0.3016

Tritanomaly

79.5158, 0.2878, 0.3080

Monochromacy



Original Color

79.7940, 0.2873, 0.3060

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.2311, 0.3031, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7940, 0.2873, 0.3060 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(214, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 233, 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(214, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.7940, 0.2873, 0.3060 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(214, 233, 255) }
```

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

```
.border{ border-color:rgb(214, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7940, 0.2873, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 233, 255) }
```

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

```
.background{ background-color: rgb(214,  
233, 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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