

Converting Colors

$Y_{xy}(79.6810, 0.2929, 0.3131)$

Have a look what the booklet for
Yxy(79.6810, 0.2929, 0.3131)
contains.

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Color

Yxy(79.8069, 0.2932, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	D9E9F8
RGB	217, 233, 248
RGB Percent	85%, 91%, 97%
CMY	0.1488, 0.0863, 0.0273
CMYK	0.12, 0.06, 0.00, 0.03
HSL	209°, 69%, 91%
HSV	209°, 12%, 97%
XYZ	74.7107, 79.8069, 100.2937
YIQ	229.9260, -14.3510, 1.2730

Conversions

Conversions Part 2

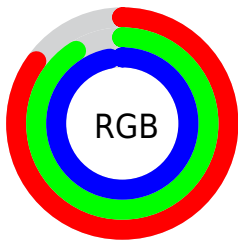
Format	Color
R _Y B	217, 228, 248
Decimal	14281208
CIE Lab	91.60, -2.34, -9.08
CIE LCh	92, 9.379, 255.540
Yxy	79.8069, 0.2932, 0.3132
Android (android.graphics.Color)	4292471288 (0xFFD9E9F8)
YUV	229.9260, 8.9105, -11.3361
Hunter-Lab	89.3347, -7.0561, -4.0290

Details

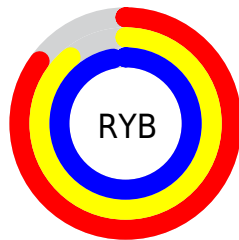
The Yxy color **79.8069, 0.2932, 0.3132** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7342, 0.3335, 0.3443**, and the grayscale version is **79.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.9314, 0.2885, 0.3086** is the 20% darker color. If you saturate the color by 10%, you get **69.7047, 0.2770, 0.2989**, and if you desaturate by 10%, it is **90.9520, 0.3089, 0.3260**.

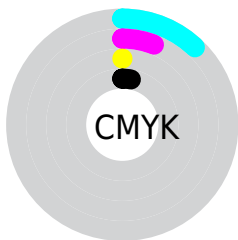
Distribution



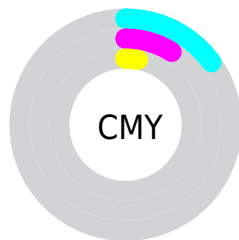
- Red (85%)
- Green (91%)
- Blue (97%)



- Red (85%)
- Yellow (89%)
- Blue (97%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (15%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8069, 0.2932, 0.3132 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 79.8069, 0.2932, 0.3132 by changing the saturation by 10% instead.

■ 79.8069, 0.2932,
0.3132

■ 79.8069, 0.2932,
0.3132

494.2818, 0.3020,
0.3204

■ 59.5595, 0.2912,
0.3116

133.0942, 0.2962,
0.3157

■ 43.0636, 0.2888,
0.3096

166.9029, 0.2974,
0.3167

■ 29.9351, 0.2858,
0.3071

206.0007, 0.2985,
0.3175

■ 19.7893, 0.2819,
0.3038

250.7722, 0.2994,
0.3182

■ 12.2420, 0.2766,
0.2994

301.6016, 0.3001,
0.3189

■ 6.9087, 0.2693,
0.2932

358.8735, 0.3008,

■ 3.4051, 0.2582,

0.3194

0.2838

422.9721, 0.3015,
0.3200

■ 1.3467, 0.2398,
0.2678

■ 0.1769, 0.0995,
0.1586

■ 79.8069, 0.2932,
0.3132

■ 79.8069, 0.2932,
0.3132

■ 69.7047, 0.2770,
0.2989

■ 90.9520, 0.3089,
0.3260

■ 60.6008, 0.2606,
0.2833

■ 99.5589, 0.3167,
0.3357

■ 52.4618, 0.2444,
0.2663

■ 45.2481, 0.2288,
0.2482

■ 38.9171, 0.2143,
0.2293

■ 33.4214, 0.2015,
0.2101

■ 28.7080, 0.1908,
0.1911

■ 24.7142, 0.1825,
0.1728

■ 22.1233, 0.1777,
0.1597

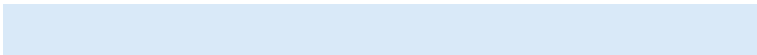
Harmonies

Analogous

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



79.8069, 0.2917, 0.3203



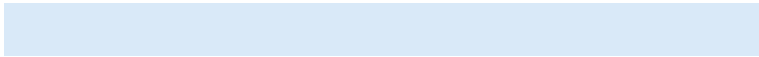
79.8069, 0.2932, 0.3132



79.8069, 0.2998, 0.3104

Triad

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



79.8069, 0.2932, 0.3132



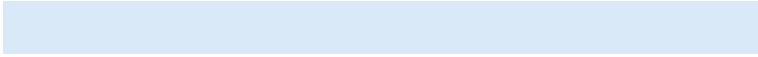
79.8069, 0.3300, 0.3276



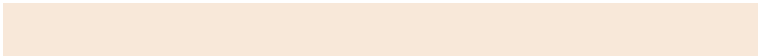
79.8069, 0.3152, 0.3464

Complementary

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



79.8069, 0.2932, 0.3132



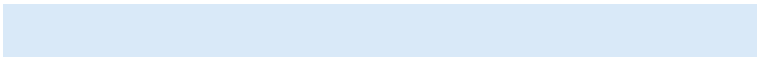
82.7342, 0.3335, 0.3443

Split Complementary

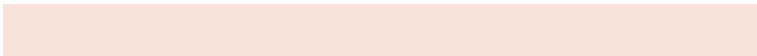
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8069, 0.3255, 0.3481



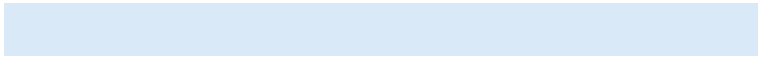
79.8069, 0.2932, 0.3132



79.8069, 0.3342, 0.3371

Square

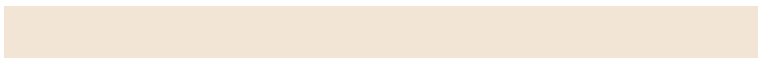
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



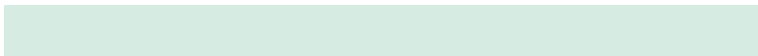
79.8069, 0.2932, 0.3132



79.8069, 0.3210, 0.3187



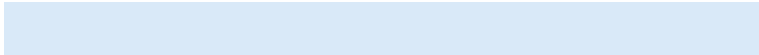
79.8069, 0.3326, 0.3446



79.8069, 0.3043, 0.3397

Rectangle

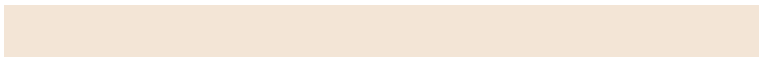
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8069, 0.2932, 0.3132



79.8069, 0.3064, 0.3112



79.8069, 0.3326, 0.3446



79.8069, 0.3188, 0.3476

Sweetspot

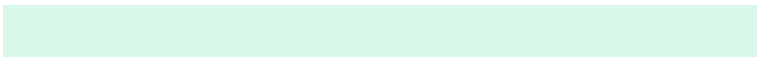
The Sweet Spot groups the original color and five complimentary colors.



79.8102, 0.2932, 0.3132



94.9983, 0.3066, 0.3242



87.7375, 0.3025, 0.3458



20.1366, 0.3054, 0.3232



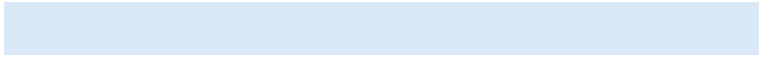
0.0000, 0.0000, 0.0000



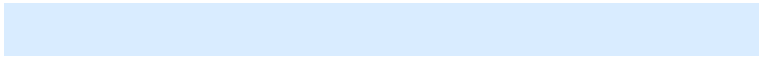
21.4041, 0.3127, 0.3290

Same Dimension

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



79.8102, 0.2932, 0.3132



82.1747, 0.2891, 0.3097



71.4552, 0.2928, 0.2966



18.1204, 0.2980, 0.3172



12.2306, 0.1785, 0.1624



1.3451, 0.1843, 0.1836

Inverse Universe

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



75.4944, 0.3243, 0.3129



76.8383, 0.3270, 0.3095



91.8075, 0.3315, 0.3594



17.3744, 0.3213, 0.3169



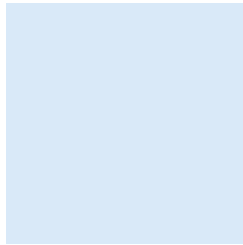
11.6456, 0.4900, 0.2473



1.1000, 0.4643, 0.2331

Previews

White Background



This preview shows how the Yxy color 79.8069, 0.2932, 0.3132 looks on a white background.

Color Contrast Check

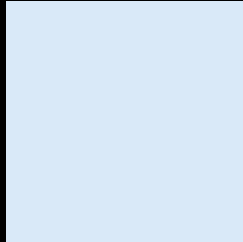
Large Text (above 18pt) WCAG AA × Fail

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 79.8069, 0.2932, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

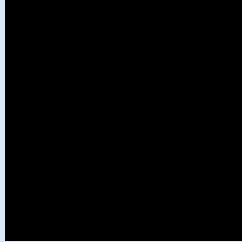
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

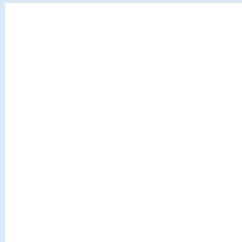
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.8069, 0.2932, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 79.8069, 0.2932, 0.3132.



This preview shows how white text looks on a background with the Yxy color 79.8069, 0.2932, 0.3132.

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

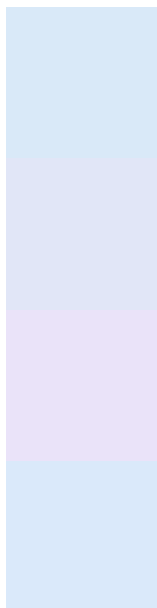




Tritanopia

80.1483, 0.2921, 0.3102

Trichromacy



Original Color

79.8069, 0.2932, 0.3132

Protanomaly

79.3166, 0.2989, 0.3114

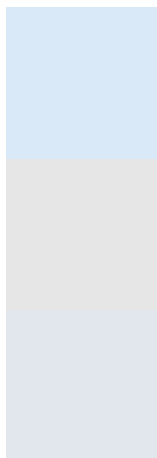
Deuteranomaly

79.2701, 0.3036, 0.3066

Tritanomaly

80.0854, 0.2927, 0.3112

Monochromacy



Original Color

79.8069, 0.2932, 0.3132

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.2738, 0.3049, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8069, 0.2932, 0.3132 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(217, 233, 248)` looks like.

```
.text, #text, p{  
    color:rgb(217, 233, 248)  
}
```

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(217, 233, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 233, 248) }
```

Border

The CSS property to change the border of an element to Yxy 79.8069, 0.2932, 0.3132 is called "border". The border property can be set on classes, ids or directly on the HTML element.

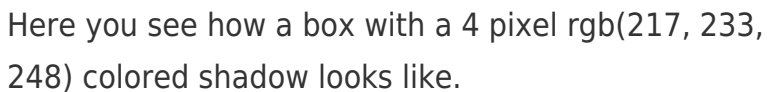
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 233, 248) }
```

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

```
.border{ border-color:rgb(217, 233, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 233, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 233, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 233, 248); box-shadow:4px 4px 4px 4px rgb(217, 233, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8069, 0.2932, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 233, 248) }
```

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

```
.background{ background-color: rgb(217,  
233, 248) }
```

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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