

Converting Colors

$Yxy(78.4235, 0.2902, 0.3127)$

Have a look what the booklet for
Yxy(78.4235, 0.2902, 0.3127)
contains.

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Color

Yxy(78.4257, 0.2906, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	D4E8F7
RGB	212, 232, 247
RGB Percent	83%, 91%, 97%
CMY	0.1687, 0.0902, 0.0315
CMYK	0.14, 0.06, 0.00, 0.03
HSL	206°, 69%, 90%
HSV	206°, 14%, 97%
XYZ	72.7899, 78.4257, 99.2657
YIQ	227.7300, -16.7350, 0.4250

Conversions

Conversions Part 2

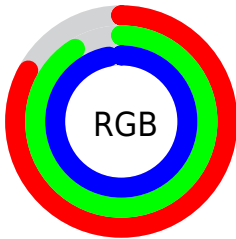
Format	Color
R_{YB}	212, 225, 247
Decimal	13953271
CIE _{Lab}	90.97, -3.64, -9.49
CIE _{LCh}	91, 10.166, 249.019
Yxy	78.4257, 0.2906, 0.3131
Android (android.graphics.Color)	4292143351 (0xFFD4E8F7)
YUV	227.7300, 9.5001, -13.7952
Hunter-Lab	88.5583, -8.2602, -4.4679

Details

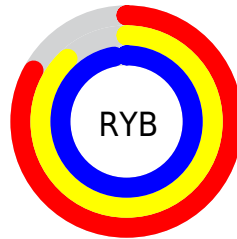
The Yxy color **78.4257, 0.2906, 0.3131** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.4286, 0.3368, 0.3444**, and the grayscale version is **77.3139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9804, 0.2852, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **69.2676, 0.2746, 0.3004**, and if you desaturate by 10%, it is **88.5088, 0.3063, 0.3246**.

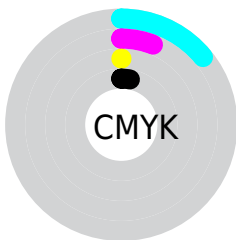
Distribution



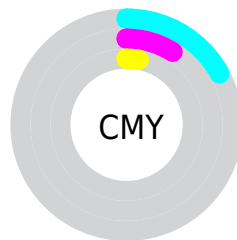
- Red (83%)
- Green (91%)
- Blue (97%)



- Red (83%)
- Yellow (88%)
- Blue (97%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4257, 0.2906, 0.3131 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 78.4257, 0.2906, 0.3131 by changing the saturation by 10% instead.

■ 78.4257, 0.2906,
0.3131

■ 78.4257, 0.2906,
0.3131

489.6114, 0.3006,
0.3204

■ 58.4237, 0.2884,
0.3114

131.1501, 0.2940,
0.3156

■ 42.1494, 0.2856,
0.3094

164.6412, 0.2954,
0.3166

■ 29.2183, 0.2821,
0.3068

203.3976, 0.2966,
0.3175

■ 19.2460, 0.2777,
0.3035

247.8036, 0.2976,
0.3182

■ 11.8482, 0.2717,
0.2990

298.2436, 0.2985,
0.3189

■ 6.6404, 0.2633,
0.2925

355.1019, 0.2993,

■ 3.2382, 0.2507,

0.3194

0.2826

418.7630, 0.3000,
0.3199

■ 1.2573, 0.2295,
0.2656

■ 0.1078, 0.0151,
0.1195

■ 78.4257, 0.2906,
0.3131

■ 78.4257, 0.2906,
0.3131

■ 69.2676, 0.2746,
0.3004

■ 88.5088, 0.3063,
0.3246

■ 60.9932, 0.2587,
0.2865

■ 98.3056, 0.3175,
0.3349

■ 53.5719, 0.2431,
0.2715

■ 99.4931, 0.3174,
0.3367

■ 46.9673, 0.2285,
0.2556

■ 41.1399, 0.2151,
0.2390

■ 36.0455, 0.2035,
0.2222

■ 31.6340, 0.1939,
0.2054

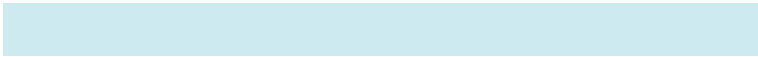
■ 27.8454, 0.1867,
0.1891

■ 25.8729, 0.1833,
0.1799

Harmonies

Analogous

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



78.4257, 0.2903, 0.3217



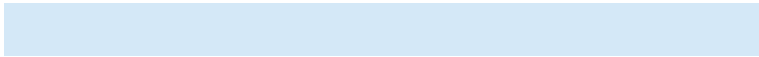
78.4257, 0.2906, 0.3131



78.4257, 0.2967, 0.3089

Triad

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



78.4257, 0.2906, 0.3131



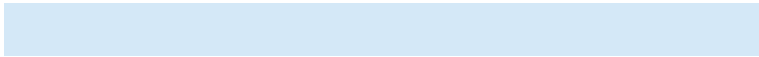
78.4257, 0.3298, 0.3252



78.4257, 0.3180, 0.3489

Complementary

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



78.4257, 0.2906, 0.3131



79.4286, 0.3368, 0.3444

Split Complementary

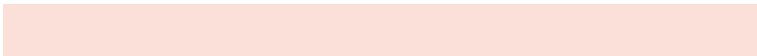
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.4257, 0.3288, 0.3495



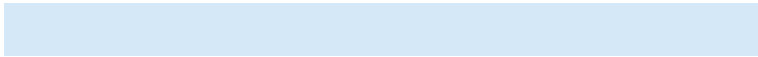
78.4257, 0.2906, 0.3131



78.4257, 0.3357, 0.3356

Square

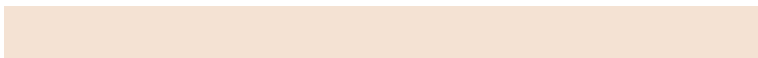
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4257, 0.2906, 0.3131



78.4257, 0.3192, 0.3160



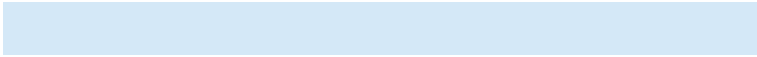
78.4257, 0.3353, 0.3445



78.4257, 0.3060, 0.3426

Rectangle

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



78.4257, 0.2906, 0.3131



78.4257, 0.3033, 0.3091



78.4257, 0.3353, 0.3445



78.4257, 0.3219, 0.3498

Sweetspot

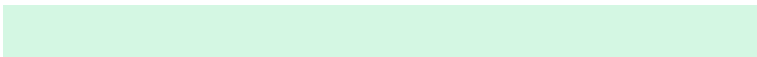
The Sweet Spot groups the original color and five complimentary colors.



78.4290, 0.2906, 0.3131



95.3655, 0.3066, 0.3248



86.0170, 0.3025, 0.3507



20.2295, 0.3054, 0.3239



0.0000, 0.0000, 0.0000



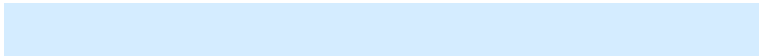
21.4041, 0.3127, 0.3290

Same Dimension

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



78.4290, 0.2906, 0.3131



81.4244, 0.2860, 0.3096



69.2631, 0.2900, 0.2945



17.5018, 0.2980, 0.3186



13.9755, 0.1841, 0.1825



1.4320, 0.1896, 0.2026

Inverse Universe

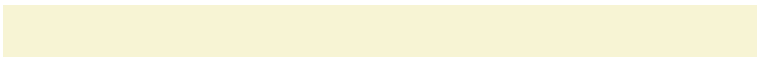
The Inverse Universe completely reimagines the original color for something new.



72.6780, 0.3247, 0.3086



74.2554, 0.3275, 0.3043



89.2514, 0.3344, 0.3613



16.6415, 0.3204, 0.3155



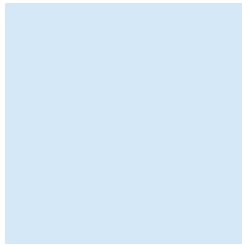
11.5102, 0.4655, 0.2338



1.0322, 0.4424, 0.2211

Previews

White Background



This preview shows how the Yxy color 78.4257, 0.2906, 0.3131 looks on a white background.

Color Contrast Check

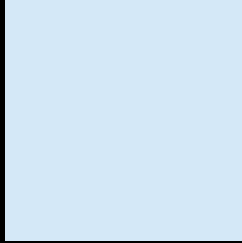
Large Text (above 18pt) WCAG AA × Fail

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 78.4257, 0.2906, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

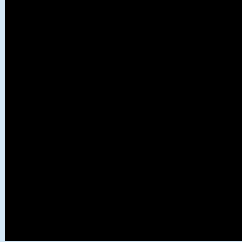
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

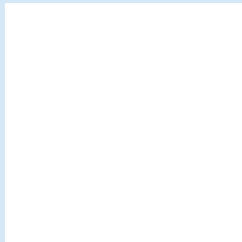
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4257, 0.2906, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 78.4257, 0.2906, 0.3131.

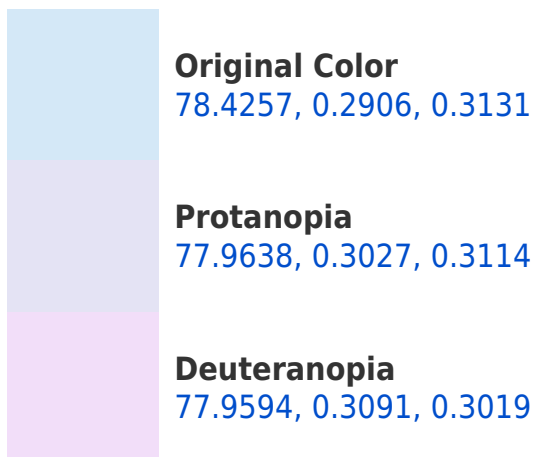


This preview shows how white text looks on a background with the Yxy color 78.4257, 0.2906, 0.3131.

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

78.7615, 0.2895, 0.3100

Trichromacy



Original Color

78.4257, 0.2906, 0.3131

Protanomaly

78.1608, 0.2981, 0.3122

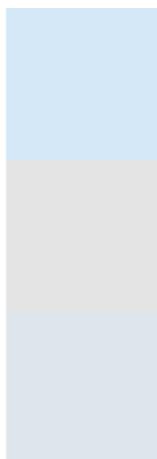
Deuteranomaly

78.1589, 0.3022, 0.3064

Tritanomaly

78.6989, 0.2901, 0.3110

Monochromacy



Original Color

78.4257, 0.2906, 0.3131

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.5664, 0.3042, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4257, 0.2906, 0.3131 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(212, 232, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 232, 247)  
}
```

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(212, 232, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 232, 247) }
```

Border

The CSS property to change the border of an element to Yxy 78.4257, 0.2906, 0.3131 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(212, 232, 247) }
```

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

```
.border{ border-color:rgb(212, 232, 247) }
```

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

Here you see how a box with a 4 pixel rgb(212, 232, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 232, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 232, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 232,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4257, 0.2906, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 232, 247) }
```

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

```
.background{ background-color: rgb(212,  
232, 247) }
```

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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