

Converting Colors

$Yxy(82.4505, 0.2970, 0.3216)$

Have a look what the booklet for
Yxy(82.4505, 0.2970, 0.3216)
contains.

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Color

Yxy(82.3157, 0.2975, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	DCEDF4
RGB	220, 237, 244
RGB Percent	86%, 93%, 96%
CMY	0.1373, 0.0705, 0.0433
CMYK	0.10, 0.03, 0.00, 0.04
HSL	197°, 52%, 91%
HSV	197°, 10%, 96%
XYZ	76.1235, 82.3157, 97.4380
YIQ	232.7150, -12.3790, -1.4270

Conversions

Conversions Part 2

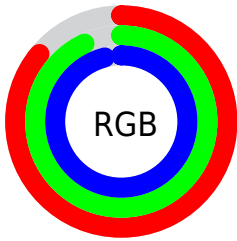
Format	Color
R _Y B	220, 230, 244
Decimal	14478836
CIE Lab	92.71, -4.26, -5.29
CIE LCh	93, 6.796, 231.166
Yxy	82.3157, 0.2975, 0.3217
Android (android.graphics.Color)	4292668916 (0xFFDCEDF4)
YUV	232.7150, 5.5635, -11.1511
Hunter-Lab	90.7280, -9.0072, -0.1654

Details

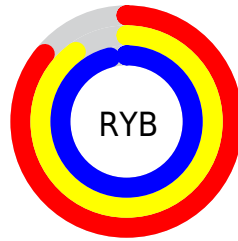
The Yxy color **82.3157, 0.2975, 0.3217** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.3087, 0.3293, 0.3362**, and the grayscale version is **81.2250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6779, 0.2941, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **74.7655, 0.2820, 0.3135**, and if you desaturate by 10%, it is **90.5903, 0.3130, 0.3291**.

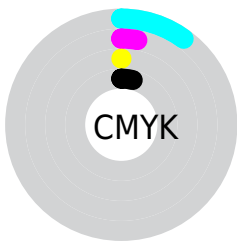
Distribution



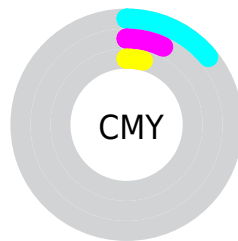
- Red (86%)
- Green (93%)
- Blue (96%)



- Red (86%)
- Yellow (90%)
- Blue (96%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (14%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3157, 0.2975, 0.3217 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 82.3157, 0.2975, 0.3217 by changing the saturation by 10% instead.

■ 82.3157, 0.2975,
0.3217

■ 82.3157, 0.2975,
0.3217

502.7031, 0.3044,
0.3251

■ 61.6258, 0.2960,
0.3209

136.6166, 0.2998,
0.3229

■ 44.7304, 0.2941,
0.3200

170.9964, 0.3008,
0.3233

■ 31.2451, 0.2918,
0.3188

210.7084, 0.3016,
0.3237

■ 20.7856, 0.2888,
0.3173

256.1367, 0.3023,
0.3240

■ 12.9674, 0.2848,
0.3153

307.6660, 0.3029,
0.3243

■ 7.4061, 0.2792,
0.3123

365.6806, 0.3034,

■ 3.7173, 0.2707,

0.3246

0.3078

430.5648, 0.3039,
0.3248

■ 1.5167, 0.2568,
0.3001

■ 0.3005, 0.1540,
0.2548

■ 82.3157, 0.2975,
0.3217

■ 82.3157, 0.2975,
0.3217

■ 74.7655, 0.2820,
0.3135

■ 90.5903, 0.3130,
0.3291

■ 67.9035, 0.2669,
0.3046

■ 96.8930, 0.3194,
0.3359

■ 61.7057, 0.2525,
0.2949

■ 99.3097, 0.3191,
0.3396

■ 56.1421, 0.2390,
0.2847

■ 51.1804, 0.2270,
0.2740

■ 46.7846, 0.2166,
0.2630

■ 42.9138, 0.2082,
0.2519

■ 39.5194, 0.2018,
0.2409

■ 36.5236, 0.1972,
0.2300

Harmonies

Analogous

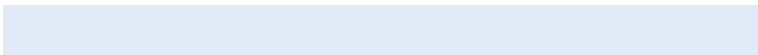
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3157, 0.2997, 0.3285



82.3157, 0.2975, 0.3217



82.3157, 0.2993, 0.3170

Triad

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



82.3157, 0.2975, 0.3217



82.3157, 0.3201, 0.3227



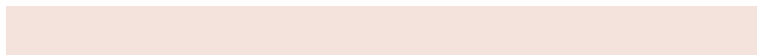
82.3157, 0.3207, 0.3427

Complementary

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



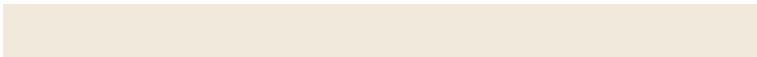
82.3157, 0.2975, 0.3217



79.3087, 0.3293, 0.3362

Split Complementary

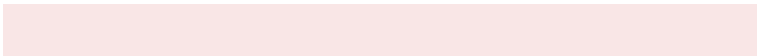
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3157, 0.3263, 0.3410



82.3157, 0.2975, 0.3217



82.3157, 0.3259, 0.3294

Square

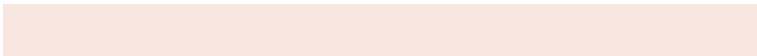
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



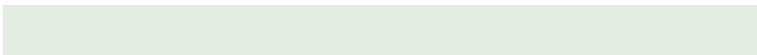
82.3157, 0.2975, 0.3217



82.3157, 0.3123, 0.3177



82.3157, 0.3282, 0.3360



82.3157, 0.3130, 0.3407

Rectangle

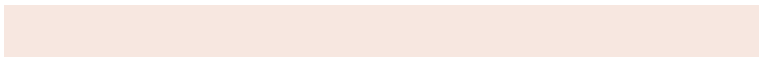
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3157, 0.2975, 0.3217



82.3157, 0.3026, 0.3157



82.3157, 0.3282, 0.3360



82.3157, 0.3229, 0.3426

Sweetspot

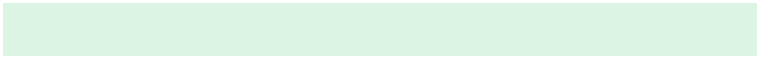
The Sweet Spot groups the original color and five complimentary colors.



82.3192, 0.2975, 0.3217



97.1691, 0.3081, 0.3268



85.4321, 0.3075, 0.3471



20.6389, 0.3068, 0.3263



0.0000, 0.0000, 0.0000



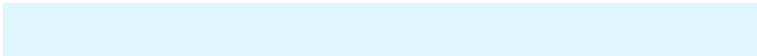
21.4041, 0.3127, 0.3290

Same Dimension

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



82.3192, 0.2975, 0.3217



89.1141, 0.2941, 0.3200



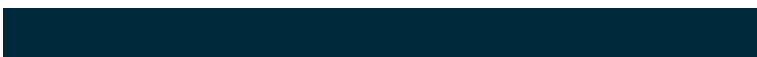
75.6988, 0.2974, 0.3092



17.8976, 0.2980, 0.3220



20.0847, 0.1977, 0.2315



1.9416, 0.2015, 0.2452

Inverse Universe

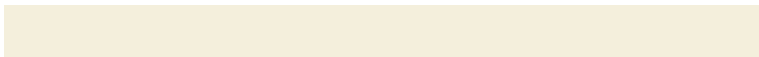
The Inverse Universe completely reimagines the original color for something new.



76.5275, 0.3185, 0.3117



81.4476, 0.3199, 0.3078



85.9959, 0.3279, 0.3481



16.6815, 0.3182, 0.3123



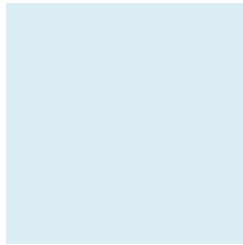
12.1269, 0.4110, 0.2038



1.0836, 0.3970, 0.1961

Previews

White Background



This preview shows how the Yxy color 82.3157, 0.2975, 0.3217 looks on a white background.

Color Contrast Check

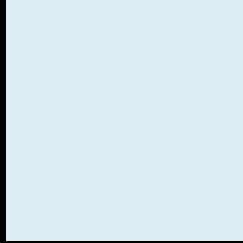
Large Text (above 18pt) WCAG AA × Fail

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 82.3157, 0.2975, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

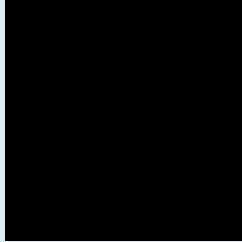
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

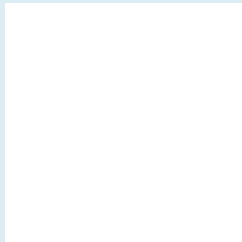
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3157, 0.2975, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 82.3157, 0.2975, 0.3217.

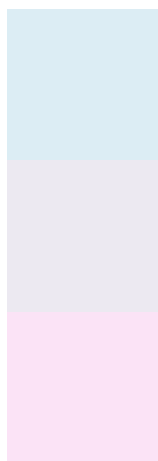


This preview shows how white text looks on a background with the Yxy color 82.3157, 0.2975, 0.3217.

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

82.3157, 0.2975, 0.3217

Protanopia

82.4616, 0.3097, 0.3209

Deuteranopia

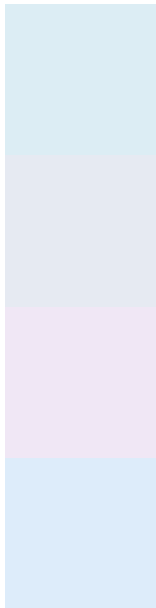
82.1012, 0.3170, 0.3103



Tritanopia

82.1020, 0.2929, 0.3094

Trichromacy



Original Color

82.3157, 0.2975, 0.3217

Protanomaly

82.0794, 0.3051, 0.3208

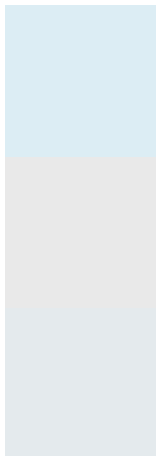
Deuteranomaly

82.2697, 0.3100, 0.3149

Tritanomaly

82.2652, 0.2946, 0.3145

Monochromacy



Original Color

82.3157, 0.2975, 0.3217

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4540, 0.3069, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3157, 0.2975, 0.3217 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(220, 237, 244)` looks like.

```
.text, #text, p{  
    color:rgb(220, 237, 244)  
}
```

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(220, 237, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 237, 244) }
```

Border

The CSS property to change the border of an element to Yxy 82.3157, 0.2975, 0.3217 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(220, 237, 244) }
```

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

```
.border{ border-color:rgb(220, 237, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 237, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 237, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 237, 244);  
box-shadow:4px 4px 4px 4px rgb(220, 237,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3157, 0.2975, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 237, 244) }
```

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

```
.background{ background-color: rgb(220,  
237, 244) }
```

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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