

Converting Colors

$Y_{xy}(82.1572, 0.2954, 0.3234)$

Have a look what the booklet for
Yxy(82.1572, 0.2954, 0.3234)
contains.

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Color

Yxy(82.2191, 0.2956, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	D8EEF3
RGB	216, 238, 243
RGB Percent	85%, 93%, 95%
CMY	0.1527, 0.0667, 0.0471
CMYK	0.11, 0.02, 0.00, 0.05
HSL	191°, 53%, 90%
HSV	191°, 11%, 95%
XYZ	75.0818, 82.2191, 96.6970
YIQ	231.9920, -14.7170, -3.1090

Conversions

Conversions Part 2

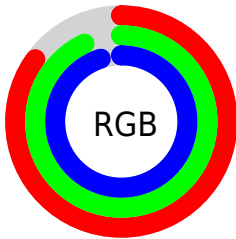
Format	Color
R _Y B	216, 228, 243
Decimal	14216947
CIE Lab	92.67, -6.21, -4.88
CIE LCh	93, 7.893, 218.164
Yxy	82.2191, 0.2956, 0.3237
Android (android.graphics.Color)	4292407027 (0xFFD8EEF3)
YUV	231.9920, 5.4269, -14.0250
Hunter-Lab	90.6747, -10.8768, 0.2445

Details

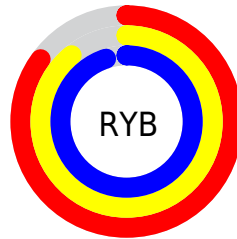
The Yxy color **82.2191, 0.2956, 0.3237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7554, 0.3319, 0.3342**, and the grayscale version is **80.6648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6208, 0.2916, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **76.1972, 0.2805, 0.3184**, and if you desaturate by 10%, it is **88.8609, 0.3110, 0.3285**.

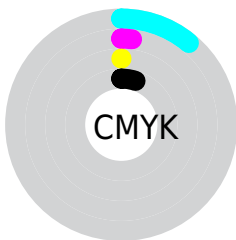
Distribution



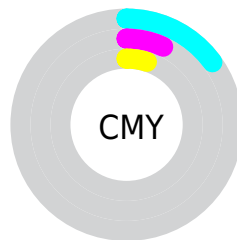
- Red (85%)
- Green (93%)
- Blue (95%)



- Red (85%)
- Yellow (89%)
- Blue (95%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2191, 0.2956, 0.3237 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 82.2191, 0.2956, 0.3237 by changing the saturation by 10% instead.

82.2191, 0.2956,
0.3237

82.2191, 0.2956,
0.3237

502.3803, 0.3033,
0.3262

61.5462, 0.2939,
0.3231

136.4812, 0.2982,
0.3246

44.6661, 0.2918,
0.3224

170.8392, 0.2993,
0.3249

31.1945, 0.2892,
0.3216

210.5276, 0.3002,
0.3252

20.7470, 0.2858,
0.3204

255.9308, 0.3010,
0.3254

12.9392, 0.2813,
0.3189

307.4333, 0.3017,
0.3256

7.3867, 0.2750,
0.3166

365.4195, 0.3023,

3.7051, 0.2656,

0.3258

0.3131

430.2737, 0.3028,
0.3260

■ 1.5100, 0.2499,
0.3069

■ 0.2957, 0.1191,
0.2717

■ 82.2191, 0.2956,
0.3237

■ 82.2191, 0.2956,
0.3237

■ 76.1972, 0.2805,
0.3184

■ 88.8609, 0.3110,
0.3285

■ 70.7606, 0.2662,
0.3128

■ 94.2578, 0.3203,
0.3329

■ 65.8864, 0.2528,
0.3067

■ 97.0491, 0.3199,
0.3372

■ 61.5464, 0.2408,
0.3003

■ 99.2504, 0.3197,
0.3405

■ 57.7095, 0.2303,
0.2937

■ 54.3408, 0.2218,
0.2869

■ 51.4007, 0.2151,
0.2801

■ 48.8417, 0.2104,
0.2734

■ 46.8137, 0.2076,
0.2674

Harmonies

Analogous

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



82.2191, 0.3000, 0.3320



82.2191, 0.2956, 0.3237



82.2191, 0.2957, 0.3170

Triad

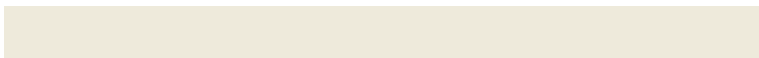
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.2191, 0.2956, 0.3237



82.2191, 0.3175, 0.3188



82.2191, 0.3252, 0.3446

Complementary

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



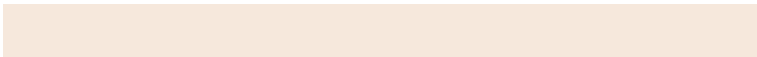
82.2191, 0.2956, 0.3237



75.7554, 0.3319, 0.3342

Split Complementary

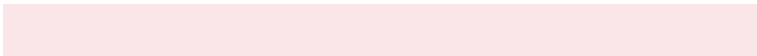
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2191, 0.3300, 0.3408



82.2191, 0.2956, 0.3237



82.2191, 0.3255, 0.3259

Square

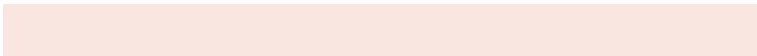
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2191, 0.2956, 0.3237



82.2191, 0.3082, 0.3144



82.2191, 0.3302, 0.3339



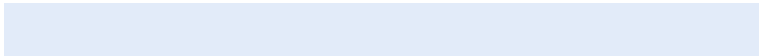
82.2191, 0.3170, 0.3442

Rectangle

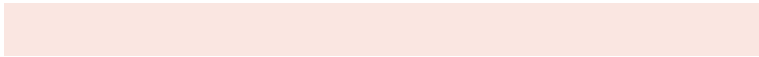
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2191, 0.2956, 0.3237



82.2191, 0.2983, 0.3144



82.2191, 0.3302, 0.3339



82.2191, 0.3273, 0.3438

Sweetspot

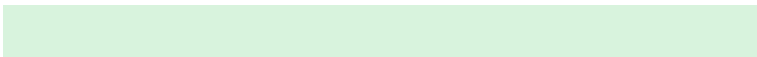
The Sweet Spot groups the original color and five complimentary colors.



82.2225, 0.2956, 0.3237



97.6755, 0.3080, 0.3276



83.9227, 0.3084, 0.3525



20.7759, 0.3068, 0.3272



0.0000, 0.0000, 0.0000



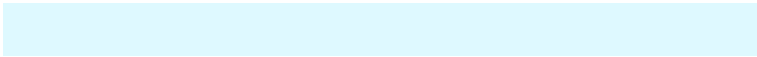
21.4041, 0.3127, 0.3290

Same Dimension

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



82.2225, 0.2956, 0.3237



90.3839, 0.2926, 0.3227



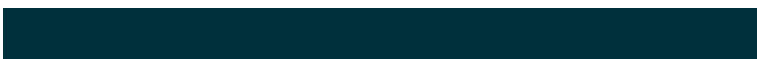
74.7049, 0.2954, 0.3094



18.2043, 0.2980, 0.3245



25.8814, 0.2079, 0.2685



2.4071, 0.2103, 0.2769

Inverse Universe

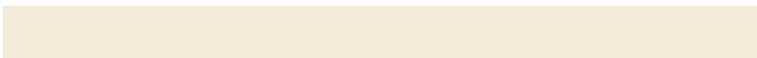
The Inverse Universe completely reimagines the original color for something new.



74.3665, 0.3174, 0.3067



80.2530, 0.3182, 0.3026



83.1221, 0.3303, 0.3479



16.7125, 0.3166, 0.3099



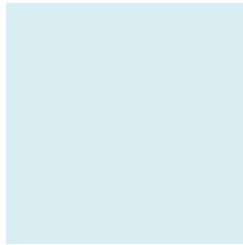
12.7121, 0.3743, 0.1835



1.1306, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 82.2191, 0.2956, 0.3237 looks on a white background.

Color Contrast Check

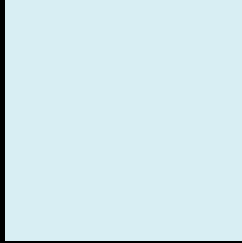
Large Text (above 18pt) WCAG AA × Fail

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 82.2191, 0.2956, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

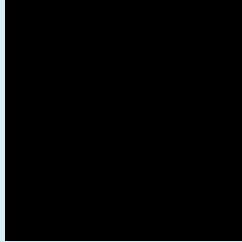
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

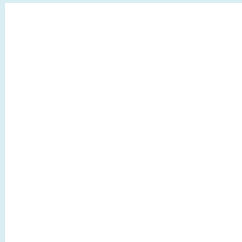
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2191, 0.2956, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 82.2191, 0.2956, 0.3237.

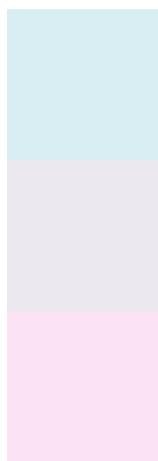


This preview shows how white text looks on a background with the Yxy color 82.2191, 0.2956, 0.3237.

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

82.2191, 0.2956, 0.3237

Protanopia

81.8374, 0.3104, 0.3208

Deuteranopia

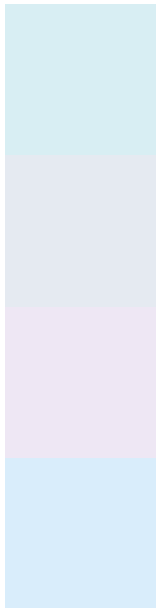
82.0400, 0.3177, 0.3112



Tritanopia

82.1163, 0.2899, 0.3093

Trichromacy



Original Color

82.2191, 0.2956, 0.3237

Protanomaly

81.8545, 0.3051, 0.3218

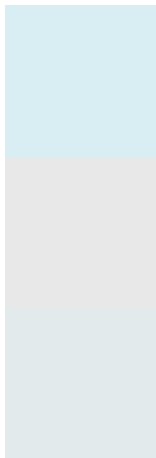
Deuteranomaly

81.8606, 0.3093, 0.3158

Tritanomaly

82.2851, 0.2916, 0.3144

Monochromacy



Original Color

82.2191, 0.2956, 0.3237

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.0705, 0.3062, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2191, 0.2956, 0.3237 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(216, 238, 243)` looks like.

```
.text, #text, p{  
    color:rgb(216, 238, 243)  
}
```

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(216, 238, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 238, 243) }
```

Border

The CSS property to change the border of an element to Yxy 82.2191, 0.2956, 0.3237 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(216, 238, 243) }
```

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

```
.border{ border-color:rgb(216, 238, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 238, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 238, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 238, 243);  
box-shadow:4px 4px 4px 4px rgb(216, 238,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2191, 0.2956, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 238, 243) }
```

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

```
.background{ background-color: rgb(216,  
238, 243) }
```

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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