

Converting Colors

$Y_{xy}(68.2679, 0.2963, 0.2974)$

Have a look what the booklet for
Yxy(68.2679, 0.2963, 0.2974)
contains.

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Color

Yxy(68.0967, 0.2957, 0.2966)

Conversions

Conversions Part 1

Format	Color
Hex	D8D4F2
RGB	216, 212, 242
RGB Percent	85%, 83%, 95%
CMY	0.1530, 0.1686, 0.0508
CMYK	0.11, 0.12, 0.00, 0.05
HSL	248°, 54%, 89%
HSV	248°, 12%, 95%
XYZ	67.8901, 68.0967, 93.6043
YIQ	216.6160, -7.2460, 10.1780

Conversions

Conversions Part 2

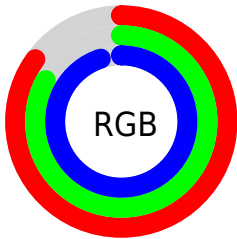
Format	Color
R _{YB}	216, 212, 242
Decimal	14210290
CIE Lab	86.05, 7.06, -14.21
CIE LCh	86, 15.870, 296.411
Yxy	68.0967, 0.2957, 0.2966
Android (android.graphics.Color)	4292400370 (0xFFD8D4F2)
YUV	216.6160, 12.5143, -0.5402
Hunter-Lab	82.5207, 2.4413, -9.4889

Details

The Yxy color $68.0967, 0.2957, 0.2966$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $86.4737, 0.3286, 0.3600$, and the grayscale version is $69.0294, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.2362, 0.2914, 0.2883$ is the 20% darker color. If you saturate the color by 10%, you get $53.8947, 0.2798, 0.2670$, and if you desaturate by 10%, it is $84.5272, 0.3096, 0.3231$.

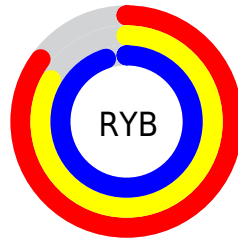
Distribution



Red (85%)

Green (83%)

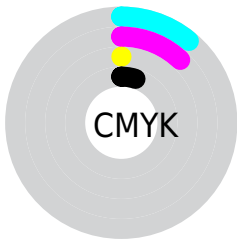
Blue (95%)



Red (85%)

Yellow (83%)

Blue (95%)

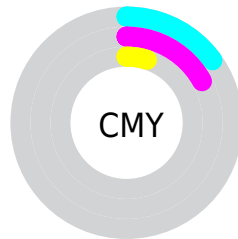


Cyan (11%)

Magenta (12%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (17%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0967, 0.2957, 0.2966 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 68.0967, 0.2957, 0.2966 by changing the saturation by 10% instead.

68.0967, 0.2957,
0.2966

68.0967, 0.2957,
0.2966

453.8386, 0.3037,
0.3115

49.9764, 0.2938,
0.2932

116.4905, 0.2985,
0.3018

35.3947, 0.2915,
0.2891

147.5327, 0.2996,
0.3038

23.9670, 0.2885,
0.2838

183.6511, 0.3005,
0.3055

15.3092, 0.2846,
0.2770

225.2300, 0.3013,
0.3070

9.0367, 0.2792,
0.2677

272.6538, 0.3020,
0.3083

4.7651, 0.2713,
0.2545

326.3069, 0.3027,

2.1101, 0.2587,

0.3095

0.2343

386.5737, 0.3032,
0.3106

0.6703, 0.2367,
0.1960

0.0000, 0.0000,
0.0000

68.0967, 0.2957,
0.2966

68.0967, 0.2957,
0.2966

53.8947, 0.2798,
0.2670

84.5272, 0.3096,
0.3231

41.8167, 0.2621,
0.2347

99.1935, 0.3202,
0.3414

31.7628, 0.2428,
0.2006

23.6216, 0.2228,
0.1661

■ 17.2708, 0.2032,
0.1333

■ 12.5740, 0.1852,
0.1047

■ 9.3747, 0.1703,
0.0826

■ 7.4859, 0.1595,
0.0684

■ 6.7211, 0.1543,
0.0623

Harmonies

Analogous

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



68.0967, 0.2815, 0.2981



68.0967, 0.2957, 0.2966



68.0967, 0.3149, 0.3031

Triad

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



68.0967, 0.2957, 0.2966



68.0967, 0.3514, 0.3484



68.0967, 0.2914, 0.3422

Complementary

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



68.0967, 0.2957, 0.2966



86.4737, 0.3286, 0.3600

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.



68.0967, 0.3096, 0.3570



68.0967, 0.2957, 0.2966



68.0967, 0.3445, 0.3600

Square

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



68.0967, 0.2957, 0.2966



68.0967, 0.3475, 0.3324



68.0967, 0.3291, 0.3635



68.0967, 0.2790, 0.3240

Rectangle

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



68.0967, 0.2957, 0.2966



68.0967, 0.3280, 0.3112



68.0967, 0.3291, 0.3635



68.0967, 0.2970, 0.3478

Sweetspot

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



68.0996, 0.2957, 0.2966



92.0238, 0.3075, 0.3191



81.8755, 0.2936, 0.3252



19.3858, 0.3065, 0.3171



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.



68.0996, 0.2957, 0.2966



72.2169, 0.2917, 0.2891



70.4142, 0.3059, 0.2976



15.3290, 0.3000, 0.3047



3.6418, 0.1551, 0.0628



0.3344, 0.1645, 0.0680

Inverse Universe

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



72.1522, 0.3169, 0.3023



77.6552, 0.3178, 0.2965



84.0554, 0.3188, 0.3609



15.9933, 0.3158, 0.3088



12.6547, 0.3574, 0.1743



1.0627, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 68.0967, 0.2957, 0.2966 looks on a white background.

Color Contrast Check

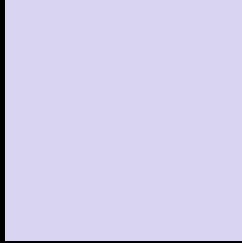
Large Text (above 18pt) WCAG AA × Fail

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 68.0967, 0.2957, 0.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

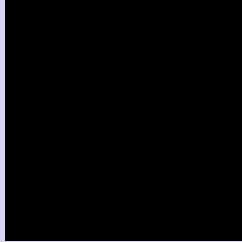
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0967, 0.2957, 0.2966

Background



This preview shows how black text looks on a background with the Yxy color 68.0967, 0.2957, 0.2966.



This preview shows how white text looks on a background with the Yxy color 68.0967, 0.2957, 0.2966.

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

68.0967, 0.2957, 0.2966

Protanopia

68.4131, 0.2917, 0.2975

Deuteranopia

68.2522, 0.3000, 0.2939



Tritanopia

68.1588, 0.3014, 0.3103

Trichromacy



Original Color

68.0967, 0.2957, 0.2966

Protanomaly

68.2057, 0.2931, 0.2965

Deuteranomaly

68.2752, 0.2979, 0.2948

Tritanomaly

68.0337, 0.2995, 0.3050

Monochromacy



Original Color

68.0967, 0.2957, 0.2966

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.8436, 0.3068, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0967, 0.2957, 0.2966 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, 212, 242)` looks like.

```
.text, #text, p{  
    color:rgb(216, 212, 242)  
}
```

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, 212, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 212, 242) }
```

Border

The CSS property to change the border of an element to Yxy 68.0967, 0.2957, 0.2966 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, 212, 242) }
```

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

```
.border{ border-color:rgb(216, 212, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 212, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 212, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 212, 242);  
box-shadow:4px 4px 4px 4px rgb(216, 212,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0967, 0.2957, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 212, 242) }
```

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

```
.background{ background-color: rgb(216,  
212, 242) }
```

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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