

Converting Colors

Yxy(68.6443, 0.2891, 0.3005)

Have a look what the booklet for
Yxy(68.6443, 0.2891, 0.3005)
contains.

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Color

Yxy(68.6443, 0.2891, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	CED8F2
RGB	206, 216, 242
RGB Percent	81%, 85%, 95%
CMY	0.1920, 0.1529, 0.0511
CMYK	0.15, 0.11, 0.00, 0.05
HSL	223°, 58%, 88%
HSV	223°, 15%, 95%
XYZ	66.0402, 68.6443, 93.7492
YIQ	215.9740, -14.3060, 5.9660

Conversions

Conversions Part 2

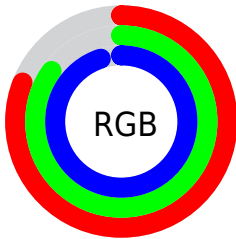
Format	Color
R _Y B	206, 214, 242
Decimal	13555954
CIE Lab	86.33, 1.79, -13.84
CIE LCh	86, 13.956, 277.353
Yxy	68.6443, 0.2891, 0.3005
Android (android.graphics.Color)	4291746034 (0xFFCED8F2)
YUV	215.9740, 12.8308, -8.7472
Hunter-Lab	82.8519, -2.7107, -9.0920

Details

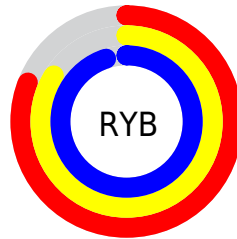
The Yxy color **68.6443, 0.2891, 0.3005** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.0493, 0.3365, 0.3560**, and the grayscale version is **68.5734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6142, 0.2829, 0.2931** is the 20% darker color. If you saturate the color by 10%, you get **56.9557, 0.2717, 0.2784**, and if you desaturate by 10%, it is **81.8256, 0.3053, 0.3203**.

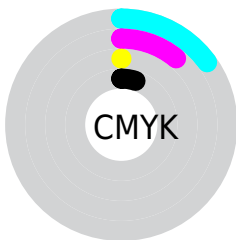
Distribution



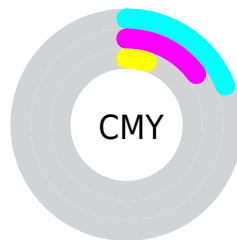
- Red (81%)
- Green (85%)
- Blue (95%)



- Red (81%)
- Yellow (84%)
- Blue (95%)



- Cyan (15%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)



- Cyan (19%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6443, 0.2891, 0.3005 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 68.6443, 0.2891, 0.3005 by changing the saturation by 10% instead.

■ 68.6443, 0.2891,
0.3005

■ 68.6443, 0.2891,
0.3005

455.7754, 0.3001,
0.3137

■ 50.4221, 0.2866,
0.2975

117.2734, 0.2929,
0.3051

■ 35.7489, 0.2834,
0.2937

148.4490, 0.2944,
0.3069

■ 24.2403, 0.2794,
0.2890

184.7113, 0.2957,
0.3084

■ 15.5120, 0.2742,
0.2828

226.4446, 0.2968,
0.3097

■ 9.1795, 0.2671,
0.2744

274.0332, 0.2978,
0.3109

■ 4.8584, 0.2567,
0.2623

327.8616, 0.2987,

■ 2.1644, 0.2405,

0.3120

0.2436

388.3142, 0.2994,
0.3129

0.7005, 0.2111,
0.2084

0.0000, 0.0000,
0.0000

68.6443, 0.2891,
0.3005

68.6443, 0.2891,
0.3005

56.9557, 0.2717,
0.2784

81.8256, 0.3053,
0.3203

46.6973, 0.2534,
0.2540

96.5422, 0.3202,
0.3377

37.8145, 0.2347,
0.2278

99.1890, 0.3203,
0.3415

30.2458, 0.2162,
0.2003

■ 23.9246, 0.1988,
0.1726

■ 18.7782, 0.1835,
0.1458

■ 14.7250, 0.1711,
0.1215

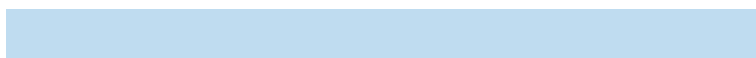
■ 11.6703, 0.1623,
0.1009

■ 10.4318, 0.1589,
0.0919

Harmonies

Analogous

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



68.6443, 0.2809, 0.3066



68.6443, 0.2891, 0.3005



68.6443, 0.3037, 0.3018

Triad

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



68.6443, 0.2891, 0.3005



68.6443, 0.3455, 0.3374



68.6443, 0.3039, 0.3494

Complementary

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



68.6443, 0.2891, 0.3005



81.0493, 0.3365, 0.3560

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.



68.6443, 0.3211, 0.3581



68.6443, 0.2891, 0.3005



68.6443, 0.3455, 0.3505

Square

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



68.6443, 0.2891, 0.3005



68.6443, 0.3365, 0.3227



68.6443, 0.3364, 0.3583



68.6443, 0.2893, 0.3349

Rectangle

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



68.6443, 0.2891, 0.3005



68.6443, 0.3152, 0.3065



68.6443, 0.3364, 0.3583



68.6443, 0.3095, 0.3531

Sweetspot

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



68.6471, 0.2891, 0.3005



93.5024, 0.3066, 0.3218



82.4283, 0.2959, 0.3399



19.7585, 0.3055, 0.3204



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.



68.6471, 0.2891, 0.3005



72.9384, 0.2837, 0.2937



64.8397, 0.2941, 0.2899



15.9419, 0.2980, 0.3114



5.8021, 0.1596, 0.0946



0.6439, 0.1667, 0.1199

Inverse Universe

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



67.9908, 0.3331, 0.3186



72.1744, 0.3383, 0.3162



85.4687, 0.3297, 0.3665



15.8308, 0.3250, 0.3225



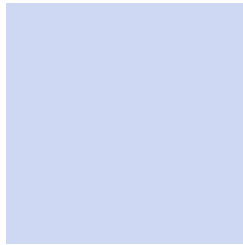
10.3791, 0.5840, 0.2991



0.8797, 0.5468, 0.2786

Previews

White Background



This preview shows how the Yxy color 68.6443, 0.2891, 0.3005 looks on a white background.

Color Contrast Check

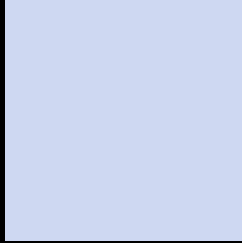
Large Text (above 18pt) WCAG AA × Fail

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 68.6443, 0.2891, 0.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

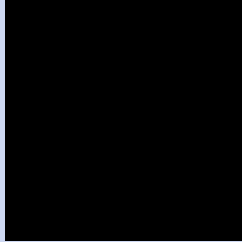
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6443, 0.2891, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 68.6443, 0.2891, 0.3005.



This preview shows how white text looks on a background with the Yxy color 68.6443, 0.2891, 0.3005.

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

68.6443, 0.2891, 0.3005

Protanopia

68.4411, 0.2937, 0.2996

Deuteranopia

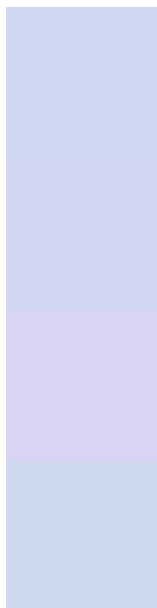
68.4115, 0.3007, 0.2940



Tritanopia

68.5454, 0.2933, 0.3101

Trichromacy



Original Color

68.6443, 0.2891, 0.3005

Protanomaly

68.6534, 0.2923, 0.3006

Deuteranomaly

68.3097, 0.2958, 0.2957

Tritanomaly

68.7193, 0.2915, 0.3069

Monochromacy



Original Color

68.6443, 0.2891, 0.3005

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.5450, 0.3039, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6443, 0.2891, 0.3005 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(206, 216, 242)` looks like.

```
.text, #text, p{  
    color:rgb(206, 216, 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(206, 216, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 216, 242) }
```

Border

The CSS property to change the border of an element to Yxy 68.6443, 0.2891, 0.3005 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(206, 216, 242) }
```

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

```
.border{ border-color:rgb(206, 216, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 216, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 216, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 216, 242);  
box-shadow:4px 4px 4px 4px rgb(206, 216,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6443, 0.2891, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 216, 242) }
```

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

```
.background{ background-color: rgb(206,  
216, 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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