

Converting Colors

$Yxy(72.9809, 0.2965, 0.3096)$

Have a look what the booklet for
Yxy(72.9809, 0.2965, 0.3096)
contains.

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Color

Yxy(72.9809, 0.2965, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	D7DEF0
RGB	215, 222, 240
RGB Percent	84%, 87%, 94%
CMY	0.1565, 0.1295, 0.0588
CMYK	0.10, 0.08, 0.00, 0.06
HSL	223°, 45%, 89%
HSV	223°, 10%, 94%
XYZ	69.8929, 72.9809, 92.8526
YIQ	221.9590, -9.9500, 4.1140

Conversions

Conversions Part 2

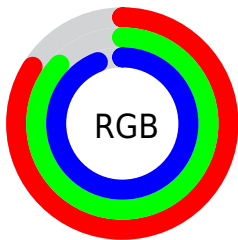
Format	Color
R _Y B	215, 220, 240
Decimal	14147312
CIE Lab	88.44, 1.14, -9.59
CIE LCh	88, 9.660, 276.757
Yxy	72.9809, 0.2965, 0.3096
Android (android.graphics.Color)	4292337392 (0xFFD7DEF0)
YUV	221.9590, 8.8942, -6.1030
Hunter-Lab	85.4289, -3.4623, -4.6421

Details

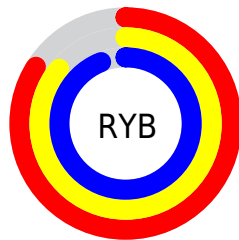
The Yxy color `72.9809, 0.2965, 0.3096` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81.7828, 0.3290, 0.3477`, and the grayscale version is `72.9680, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `38.5717, 0.2925, 0.3052` is the 20% darker color. If you saturate the color by 10%, you get `60.8600, 0.2796, 0.2885`, and if you desaturate by 10%, it is `86.5905, 0.3121, 0.3283`.

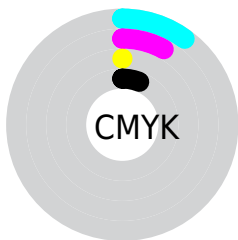
Distribution



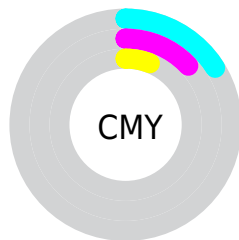
- Red (84%)
- Green (87%)
- Blue (94%)



- Red (84%)
- Yellow (86%)
- Blue (94%)



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)



- Cyan (16%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9809, 0.2965, 0.3096 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 72.9809, 0.2965, 0.3096 by changing the saturation by 10% instead.

■ 72.9809, 0.2965,
0.3096

■ 72.9809, 0.2965,
0.3096

470.9486, 0.3040,
0.3185

■ 53.9603, 0.2948,
0.3076

123.4501, 0.2991,
0.3127

■ 38.5700, 0.2927,
0.3051

155.6675, 0.3001,
0.3139

■ 26.4253, 0.2900,
0.3019

193.0527, 0.3010,
0.3149

■ 17.1421, 0.2865,
0.2978

235.9900, 0.3017,
0.3158

■ 10.3359, 0.2818,
0.2922

284.8639, 0.3024,
0.3166

■ 5.6222, 0.2750,
0.2842

340.0587, 0.3030,

■ 2.6168, 0.2643,

0.3173

0.2718

401.9588, 0.3035,
0.3180

■ 0.9351, 0.2456,
0.2502

■ 0.0000, 0.0000,
0.0000

■ 72.9809, 0.2965,
0.3096

■ 72.9809, 0.2965,
0.3096

■ 60.8600, 0.2796,
0.2885

■ 86.5905, 0.3121,
0.3283

■ 50.1671, 0.2617,
0.2652

■ 99.0722, 0.3214,
0.3434

■ 40.8502, 0.2431,
0.2397

■ 32.8510, 0.2244,
0.2127

■ 26.1066, 0.2064,
0.1849

■ 20.5483, 0.1900,
0.1575

■ 16.1003, 0.1762,
0.1319

■ 12.6763, 0.1658,
0.1095

■ 10.2367, 0.1589,
0.0919

Harmonies

Analogous

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



72.9809, 0.2910, 0.3140



72.9809, 0.2965, 0.3096



72.9809, 0.3064, 0.3103

Triad

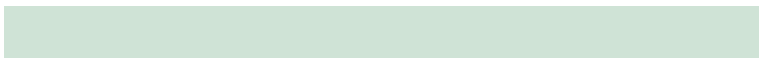
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9809, 0.2965, 0.3096



72.9809, 0.3348, 0.3347



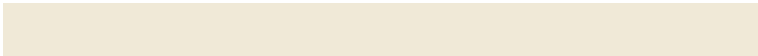
72.9809, 0.3070, 0.3429

Complementary

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



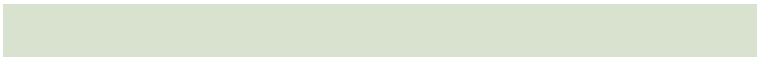
72.9809, 0.2965, 0.3096



81.7828, 0.3290, 0.3477

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.



72.9809, 0.3187, 0.3486



72.9809, 0.2965, 0.3096



72.9809, 0.3349, 0.3436

Square

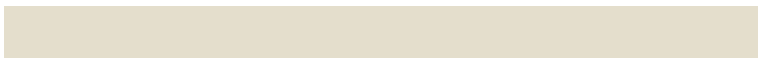
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9809, 0.2965, 0.3096



72.9809, 0.3287, 0.3246



72.9809, 0.3290, 0.3488



72.9809, 0.2969, 0.3333

Rectangle

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



72.9809, 0.2965, 0.3096



72.9809, 0.3143, 0.3134



72.9809, 0.3290, 0.3488



72.9809, 0.3109, 0.3453

Sweetspot

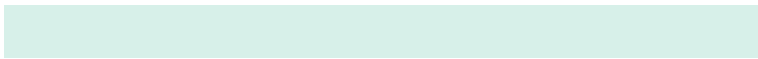
The Sweet Spot groups the original color and five complimentary colors.



72.9840, 0.2965, 0.3096



95.0981, 0.3082, 0.3236



82.6696, 0.3008, 0.3365



20.0802, 0.3069, 0.3222



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.



72.9840, 0.2965, 0.3096



81.3336, 0.2938, 0.3063



70.2259, 0.3001, 0.3023



15.9406, 0.2980, 0.3114



5.7942, 0.1596, 0.0945



0.6431, 0.1666, 0.1198

Inverse Universe

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



72.4434, 0.3263, 0.3218



80.6622, 0.3287, 0.3207



84.8368, 0.3245, 0.3549



15.8307, 0.3250, 0.3225



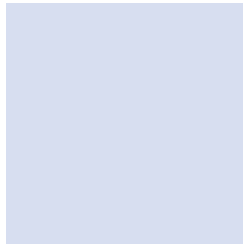
10.3783, 0.5842, 0.2992



0.8796, 0.5469, 0.2787

Previews

White Background



This preview shows how the Yxy color 72.9809, 0.2965, 0.3096 looks on a white background.

Color Contrast Check

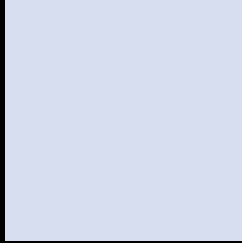
Large Text (above 18pt) WCAG AA × Fail

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 72.9809, 0.2965, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

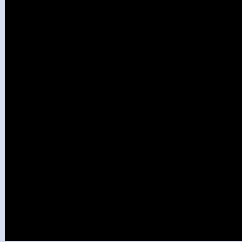
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

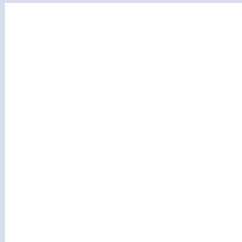
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9809, 0.2965, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 72.9809, 0.2965, 0.3096.

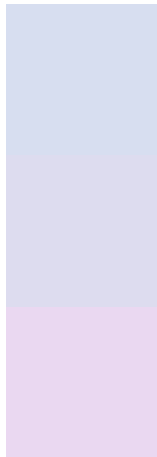


This preview shows how white text looks on a background with the Yxy color 72.9809, 0.2965, 0.3096.

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

72.9809, 0.2965, 0.3096

Protanopia

72.7905, 0.3011, 0.3088

Deuteranopia

72.9550, 0.3090, 0.3031



Tritanopia

72.9809, 0.2965, 0.3096

Trichromacy



Original Color

72.9809, 0.2965, 0.3096

Protanomaly

73.0050, 0.2998, 0.3098

Deuteranomaly

72.8246, 0.3040, 0.3048

Tritanomaly

72.9809, 0.2965, 0.3096

Monochromacy



Original Color

72.9809, 0.2965, 0.3096

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.9598, 0.3061, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9809, 0.2965, 0.3096 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(215, 222, 240)` looks like.

```
.text, #text, p{  
    color:rgb(215, 222, 240)  
}
```

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(215, 222, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 222, 240) }
```

Border

The CSS property to change the border of an element to Yxy 72.9809, 0.2965, 0.3096 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(215, 222, 240) }
```

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

```
.border{ border-color:rgb(215, 222, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 222, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 222, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 222, 240);  
box-shadow:4px 4px 4px 4px rgb(215, 222,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9809, 0.2965, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 222, 240) }
```

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

```
.background{ background-color: rgb(215,  
222, 240) }
```

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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