

Converting Colors

$Yxy(70.2789, 0.2935, 0.3161)$

Have a look what the booklet for
Yxy(70.2789, 0.2935, 0.3161)
contains.

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Color

Yxy(70.3765, 0.2940, 0.3167)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CCDDE8 |
| RGB | 204, 221, 232 |
| RGB Percent | 80%, 87%, 91% |
| CMY | 0.1999, 0.1334, 0.0901 |
| CMYK | 0.12, 0.05, 0.00, 0.09 |
| HSL | 204°, 38%, 86% |
| HSV | 204°, 12%, 91% |
| XYZ | 65.3321, 70.3765, 86.5095 |
| YIQ | 217.1710, -13.6630, -0.1830 |

Conversions

Conversions Part 2

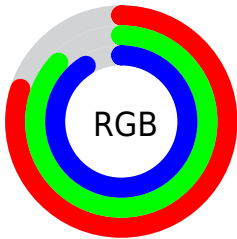
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 204, 215, 232 |
| Decimal | 13426152 |
| CIE _{Lab} | 87.18, -3.48, -7.34 |
| CIE _{LCh} | 87, 8.124, 244.624 |
| Yxy | 70.3765, 0.2940, 0.3167 |
| Android (android.graphics.Color) | 4291616232 (0xFFCCDDE8) |
| YUV | 217.1710, 7.3107, -11.5510 |
| Hunter-Lab | 83.8907, -7.7970, -2.4174 |

Details

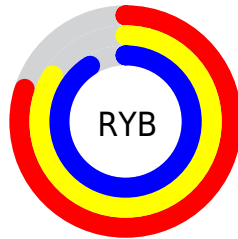
The Yxy color `70.3765, 0.2940, 0.3167` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `70.1560, 0.3330, 0.3410`, and the grayscale version is `69.4726, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.8911, 0.2902, 0.3144` is the 20% darker color. If you saturate the color by 10%, you get `62.6424, 0.2782, 0.3053`, and if you desaturate by 10%, it is `78.8680, 0.3095, 0.3270`.

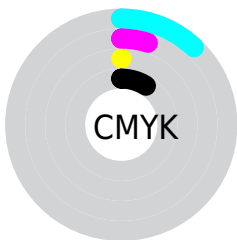
Distribution



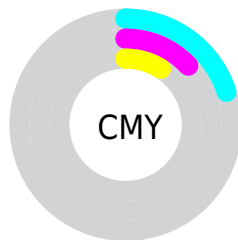
- Red (80%)
- Green (87%)
- Blue (91%)



- Red (80%)
- Yellow (84%)
- Blue (91%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3765, 0.2940, 0.3167 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 70.3765, 0.2940, 0.3167 by changing the saturation by 10% instead.

■ 70.3765, 0.2940,
0.3167

■ 70.3765, 0.2940,
0.3167

461.8709, 0.3027,
0.3225

■ 51.8335, 0.2920,
0.3154

119.7455, 0.2970,
0.3187

■ 36.8724, 0.2896,
0.3137

151.3403, 0.2982,
0.3195

■ 25.1087, 0.2864,
0.3116

188.0546, 0.2992,
0.3202

■ 16.1581, 0.2824,
0.3088

230.2727, 0.3001,
0.3208

■ 9.6361, 0.2768,
0.3049

278.3789, 0.3008,
0.3213

■ 5.1583, 0.2688,
0.2992

332.7578, 0.3015,

■ 2.3405, 0.2561,

0.3217

0.2901

393.7936, 0.3021,
0.3221

0.7950, 0.2307,
0.2735

0.0000, 0.0000,
0.0000

70.3765, 0.2940,
0.3167

70.3765, 0.2940,
0.3167

62.6424, 0.2782,
0.3053

78.8680, 0.3095,
0.3270

55.6313, 0.2625,
0.2928

88.1323, 0.3246,
0.3362

49.3187, 0.2473,
0.2793

94.4880, 0.3268,
0.3450

43.6750, 0.2328,
0.2650

98.6082, 0.3262,
0.3512

■ 38.6684, 0.2197,
0.2500

■ 34.2632, 0.2081,
0.2346

■ 30.4192, 0.1986,
0.2192

■ 27.0887, 0.1913,
0.2041

■ 24.7556, 0.1868,
0.1924

Harmonies

Analogous

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



70.3765, 0.2945, 0.3242



70.3765, 0.2940, 0.3167



70.3765, 0.2984, 0.3126

Triad

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



70.3765, 0.2940, 0.3167



70.3765, 0.3257, 0.3247



70.3765, 0.3185, 0.3458

Complementary

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



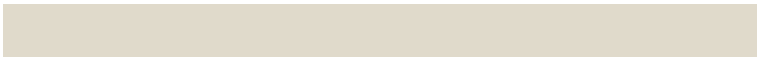
70.3765, 0.2940, 0.3167



70.1560, 0.3330, 0.3410

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.



70.3765, 0.3271, 0.3457



70.3765, 0.2940, 0.3167



70.3765, 0.3313, 0.3333

Square

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



70.3765, 0.2940, 0.3167



70.3765, 0.3167, 0.3172



70.3765, 0.3318, 0.3410



70.3765, 0.3086, 0.3413

Rectangle

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



70.3765, 0.2940, 0.3167



70.3765, 0.3036, 0.3123



70.3765, 0.3318, 0.3410



70.3765, 0.3217, 0.3463

Sweetspot

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



70.3794, 0.2940, 0.3167



95.5783, 0.3065, 0.3251



75.4678, 0.3046, 0.3483



20.2834, 0.3054, 0.3243



0.0000, 0.0000, 0.0000



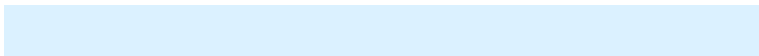
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3794, 0.2940, 0.3167



85.1957, 0.2909, 0.3145



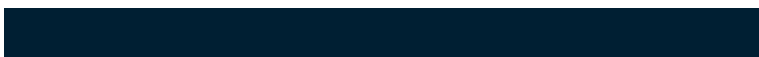
63.4364, 0.2937, 0.3011



15.3329, 0.2981, 0.3195



13.9910, 0.1875, 0.1948



1.2138, 0.1935, 0.2164

Inverse Universe

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



65.5792, 0.3220, 0.3108



78.4264, 0.3237, 0.3077



77.4323, 0.3312, 0.3554



14.5140, 0.3198, 0.3149



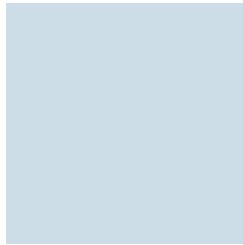
10.6101, 0.4512, 0.2259



0.8022, 0.4271, 0.2126

Previews

White Background



This preview shows how the Yxy color 70.3765, 0.2940, 0.3167 looks on a white background.

Color Contrast Check

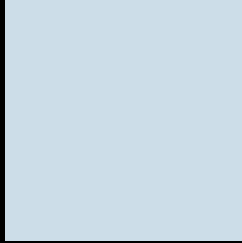
Large Text (above 18pt) WCAG AA × Fail

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 70.3765, 0.2940, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

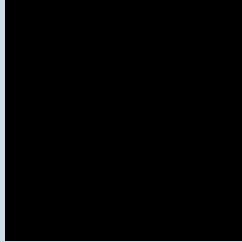
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

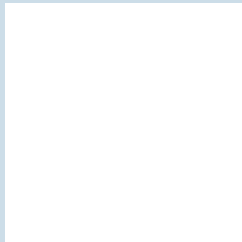
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3765, 0.2940, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 70.3765, 0.2940, 0.3167.

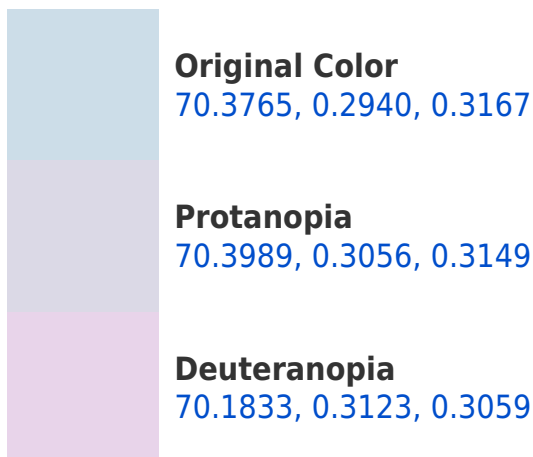


This preview shows how white text looks on a background with the Yxy color 70.3765, 0.2940, 0.3167.

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

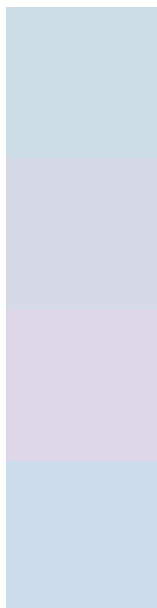




Tritanopia

70.3386, 0.2910, 0.3092

Trichromacy



Original Color

70.3765, 0.2940, 0.3167

Protanomaly

70.2085, 0.3014, 0.3148

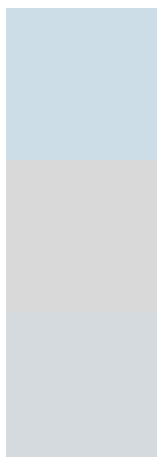
Deuteranomaly

70.0137, 0.3058, 0.3096

Tritanomaly

70.2217, 0.2922, 0.3113

Monochromacy



Original Color

70.3765, 0.2940, 0.3167

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.4138, 0.3058, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3765, 0.2940, 0.3167 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(204, 221, 232)` looks like.

```
.text, #text, p{  
    color:rgb(204, 221, 232)  
}
```

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(204, 221, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 221, 232) }
```

Border

The CSS property to change the border of an element to Yxy 70.3765, 0.2940, 0.3167 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(204, 221, 232) }
```

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

```
.border{ border-color:rgb(204, 221, 232) }
```

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

Here you see how a box with a 4 pixel rgb(204, 221, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 221, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 221, 232);  
box-shadow:4px 4px 4px 4px rgb(204, 221,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3765, 0.2940, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 221, 232) }
```

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

```
.background{ background-color: rgb(204,  
221, 232) }
```

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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