

Converting Colors

$Yxy(71.0588, 0.2942, 0.2993)$

Have a look what the booklet for
Yxy(71.0588, 0.2942, 0.2993)
contains.

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Color

Yxy(70.8172, 0.2940, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	D8D9F5
RGB	216, 217, 245
RGB Percent	85%, 85%, 96%
CMY	0.1526, 0.1491, 0.0392
CMYK	0.12, 0.11, 0.00, 0.04
HSL	238°, 59%, 90%
HSV	238°, 12%, 96%
XYZ	69.6330, 70.8172, 96.3967
YIQ	219.8930, -9.5840, 8.4960

Conversions

Conversions Part 2

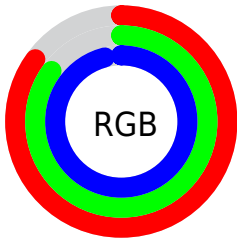
Format	Color
R _Y B	216, 217, 245
Decimal	14211573
CIE Lab	87.40, 5.07, -13.77
CIE LCh	87, 14.677, 290.208
Yxy	70.8172, 0.2940, 0.2990
Android (android.graphics.Color)	4292401653 (0xFFD8D9F5)
YUV	219.8930, 12.3778, -3.4142
Hunter-Lab	84.1530, 0.4334, -9.0092

Details

The Yxy color **70.8172, 0.2940, 0.2990** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.1518, 0.3305, 0.3573**, and the grayscale version is **71.4187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0919, 0.2892, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **55.9895, 0.2760, 0.2699**, and if you desaturate by 10%, it is **87.9682, 0.3100, 0.3247**.

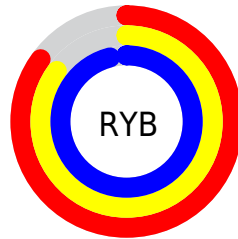
Distribution



Red (85%)

Green (85%)

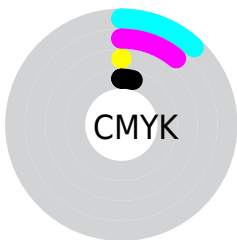
Blue (96%)



Red (85%)

Yellow (85%)

Blue (96%)

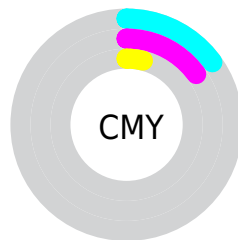


Cyan (12%)

Magenta (11%)

Yellow (0%)

Black (4%)



Cyan (15%)

Magenta (15%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8172, 0.2940, 0.2990 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 70.8172, 0.2940, 0.2990 by changing the saturation by 10% instead.

■ 70.8172, 0.2940,
0.2990

■ 70.8172, 0.2940,
0.2990

463.4142, 0.3027,
0.3128

■ 52.1930, 0.2920,
0.2959

120.3734, 0.2970,
0.3037

■ 37.1590, 0.2895,
0.2921

152.0742, 0.2982,
0.3056

■ 25.3306, 0.2864,
0.2872

188.9027, 0.2992,
0.3072

■ 16.3235, 0.2822,
0.2810

231.2433, 0.3001,
0.3086

■ 9.7534, 0.2766,
0.2726

279.4803, 0.3009,
0.3098

■ 5.2357, 0.2684,
0.2606

333.9982, 0.3016,

■ 2.3862, 0.2555,

0.3109

0.2423

395.1814, 0.3022,
0.3119

0.8188, 0.2329,
0.2111

0.0000, 0.0000,
0.0000

70.8172, 0.2940,
0.2990

70.8172, 0.2940,
0.2990

55.9895, 0.2760,
0.2699

87.9682, 0.3100,
0.3247

43.3768, 0.2561,
0.2378

99.3735, 0.3185,
0.3386

32.8755, 0.2350,
0.2034

24.3703, 0.2136,
0.1683

■ 17.7348, 0.1933,
0.1347

■ 12.8281, 0.1756,
0.1051

■ 9.4895, 0.1622,
0.0822

■ 7.5281, 0.1538,
0.0674

■ 6.7580, 0.1504,
0.0614

Harmonies

Analogous

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



70.8172, 0.2823, 0.3021



70.8172, 0.2940, 0.2990



70.8172, 0.3109, 0.3035

Triad

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



70.8172, 0.2940, 0.2990



70.8172, 0.3481, 0.3440



70.8172, 0.2964, 0.3443

Complementary

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



70.8172, 0.2940, 0.2990



89.1518, 0.3305, 0.3573

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.



70.8172, 0.3137, 0.3564



70.8172, 0.2940, 0.2990



70.8172, 0.3438, 0.3557

Square

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



70.8172, 0.2940, 0.2990



70.8172, 0.3426, 0.3290



70.8172, 0.3311, 0.3605



70.8172, 0.2837, 0.3279

Rectangle

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



70.8172, 0.2940, 0.2990



70.8172, 0.3231, 0.3102



70.8172, 0.3311, 0.3605



70.8172, 0.3018, 0.3490

Sweetspot

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



70.8202, 0.2940, 0.2990



91.9712, 0.3067, 0.3193



86.4608, 0.2951, 0.3300



19.3725, 0.3055, 0.3175



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.



70.8202, 0.2940, 0.2990



73.7253, 0.2902, 0.2928



72.5030, 0.3032, 0.2989



16.0088, 0.2979, 0.3053



3.6765, 0.1505, 0.0619



0.3515, 0.1519, 0.0667

Inverse Universe

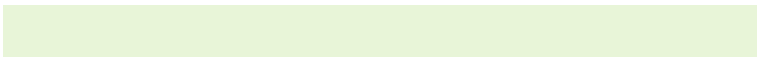
The Inverse Universe completely reimagines the original color for something new.



73.5789, 0.3334, 0.3281



77.2684, 0.3380, 0.3280



87.3512, 0.3214, 0.3590



16.4908, 0.3289, 0.3283



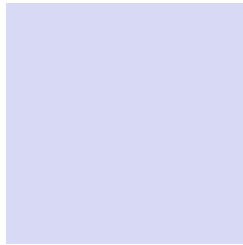
10.4705, 0.6368, 0.3282



0.9231, 0.6287, 0.3237

Previews

White Background



This preview shows how the Yxy color 70.8172, 0.2940, 0.2990 looks on a white background.

Color Contrast Check

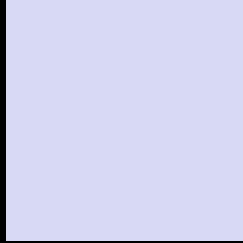
Large Text (above 18pt) WCAG AA × Fail

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 70.8172, 0.2940, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

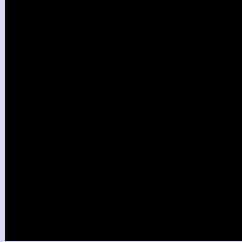
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

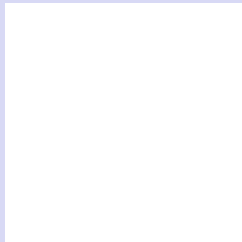
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8172, 0.2940, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 70.8172, 0.2940, 0.2990.

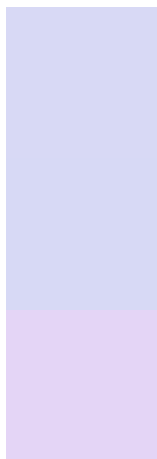


This preview shows how white text looks on a background with the Yxy color 70.8172, 0.2940, 0.2990.

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

70.8172, 0.2940, 0.2990

Protanopia

70.6654, 0.2933, 0.2990

Deuteranopia

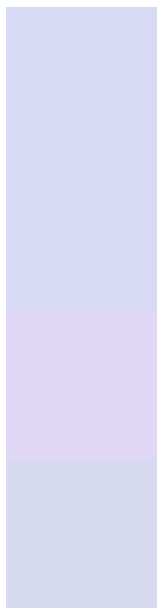
70.7363, 0.3015, 0.2945



Tritanopia

71.1662, 0.2989, 0.3106

Trichromacy



Original Color

70.8172, 0.2940, 0.2990

Protanomaly

70.6654, 0.2933, 0.2990

Deuteranomaly

70.5942, 0.2988, 0.2953

Tritanomaly

70.8219, 0.2970, 0.3063

Monochromacy



Original Color

70.8172, 0.2940, 0.2990

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.3802, 0.3062, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8172, 0.2940, 0.2990 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, 217, 245)` looks like.

```
.text, #text, p{  
    color:rgb(216, 217, 245)  
}
```

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, 217, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 217, 245) }
```

Border

The CSS property to change the border of an element to Yxy 70.8172, 0.2940, 0.2990 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, 217, 245) }
```

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

```
.border{ border-color:rgb(216, 217, 245) }
```

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

Here you see how a box with a 4 pixel rgb(216, 217, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 217, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 217, 245);  
box-shadow:4px 4px 4px 4px rgb(216, 217,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8172, 0.2940, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 217, 245) }
```

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

```
.background{ background-color: rgb(216,  
217, 245) }
```

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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