

Converting Colors

$Y_{xy}(70.2812, 0.2996, 0.3084)$

Have a look what the booklet for
Yxy(70.2812, 0.2996, 0.3084)
contains.

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Color

Yxy(70.2808, 0.2996, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	D8D9EC
RGB	216, 217, 236
RGB Percent	85%, 85%, 93%
CMY	0.1529, 0.1490, 0.0745
CMYK	0.08, 0.08, 0.00, 0.07
HSL	237°, 34%, 89%
HSV	237°, 8%, 93%
XYZ	68.2754, 70.2808, 89.3323
YIQ	218.8670, -6.6950, 5.6970

Conversions

Conversions Part 2

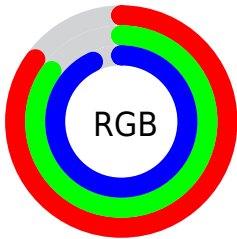
Format	Color
R _Y B	216, 217, 236
Decimal	14211564
CIE Lab	87.13, 3.25, -9.41
CIE LCh	87, 9.959, 289.044
Yxy	70.2808, 0.2996, 0.3084
Android (android.graphics.Color)	4292401644 (0xFFD8D9EC)
YUV	218.8670, 8.4466, -2.5144
Hunter-Lab	83.8336, -1.3358, -4.4953

Details

The Yxy color **70.2808, 0.2996, 0.3084** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.2229, 0.3254, 0.3488**, and the grayscale version is **70.6884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7130, 0.2965, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **56.1539, 0.2823, 0.2811**, and if you desaturate by 10%, it is **86.5019, 0.3149, 0.3325**.

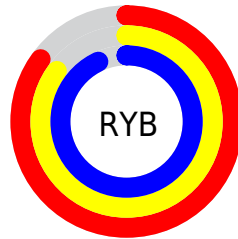
Distribution



Red (85%)

Green (85%)

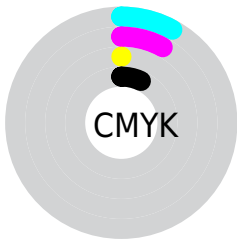
Blue (93%)



Red (85%)

Yellow (85%)

Blue (93%)

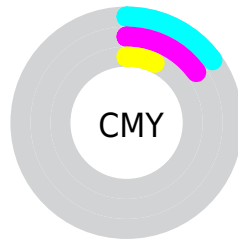


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (15%)

Magenta (15%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2808, 0.2996, 0.3084 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 70.2808, 0.2996, 0.3084 by changing the saturation by 10% instead.

■ 70.2808, 0.2996,
0.3084

■ 70.2808, 0.2996,
0.3084

461.5353, 0.3057,
0.3179

■ 51.7555, 0.2982,
0.3062

119.6091, 0.3017,
0.3117

■ 36.8102, 0.2964,
0.3036

151.1809, 0.3026,
0.3130

■ 25.0606, 0.2942,
0.3002

187.8703, 0.3033,
0.3141

■ 16.1222, 0.2913,
0.2957

230.0617, 0.3039,
0.3151

■ 9.6107, 0.2873,
0.2897

278.1395, 0.3044,
0.3159

■ 5.1416, 0.2814,
0.2811

332.4881, 0.3049,

■ 2.3306, 0.2721,

0.3166

0.2676

393.4919, 0.3053,
0.3173

0.7898, 0.2553,
0.2430

0.0000, 0.0000,
0.0000

70.2808, 0.2996,
0.3084

70.2808, 0.2996,
0.3084

56.1539, 0.2823,
0.2811

86.5019, 0.3149,
0.3325

44.0272, 0.2632,
0.2506

98.8368, 0.3238,
0.3473

33.8132, 0.2426,
0.2175

25.4141, 0.2214,
0.1831

■ 18.7236, 0.2008,
0.1491

■ 13.6243, 0.1821,
0.1179

■ 9.9841, 0.1670,
0.0921

■ 7.6494, 0.1567,
0.0736

■ 6.4247, 0.1512,
0.0632

Harmonies

Analogous

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



70.2808, 0.2917, 0.3109



70.2808, 0.2996, 0.3084



70.2808, 0.3111, 0.3113

Triad

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



70.2808, 0.2996, 0.3084



70.2808, 0.3367, 0.3391



70.2808, 0.3021, 0.3397

Complementary

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



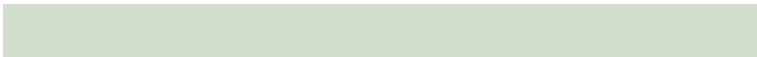
70.2808, 0.2996, 0.3084



82.2229, 0.3254, 0.3488

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.



70.2808, 0.3140, 0.3477



70.2808, 0.2996, 0.3084



70.2808, 0.3341, 0.3470

Square

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



70.2808, 0.2996, 0.3084



70.2808, 0.3327, 0.3287



70.2808, 0.3257, 0.3503



70.2808, 0.2931, 0.3288

Rectangle

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



70.2808, 0.2996, 0.3084



70.2808, 0.3194, 0.3158



70.2808, 0.3257, 0.3503



70.2808, 0.3058, 0.3428

Sweetspot

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



70.2838, 0.2996, 0.3084



94.0259, 0.3082, 0.3219



80.5975, 0.3002, 0.3300



19.7920, 0.3070, 0.3200



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.



70.2838, 0.2996, 0.3084



80.9792, 0.2970, 0.3043



71.1837, 0.3059, 0.3077



14.6685, 0.2980, 0.3058



3.5328, 0.1509, 0.0631



0.3197, 0.1532, 0.0716

Inverse Universe

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



71.9622, 0.3267, 0.3280



83.3318, 0.3296, 0.3278



81.2893, 0.3191, 0.3502



15.0661, 0.3285, 0.3279



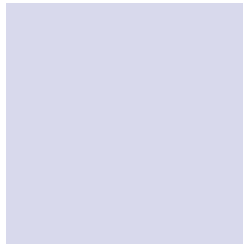
9.8494, 0.6347, 0.3270



0.7777, 0.6206, 0.3192

Previews

White Background



This preview shows how the Yxy color 70.2808, 0.2996, 0.3084 looks on a white background.

Color Contrast Check

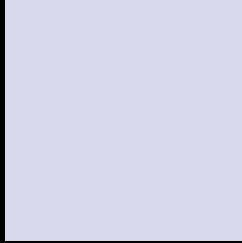
Large Text (above 18pt) WCAG AA × Fail

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 70.2808, 0.2996, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

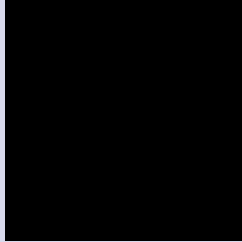
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

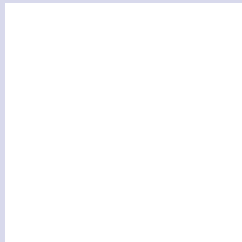
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2808, 0.2996, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 70.2808, 0.2996, 0.3084.

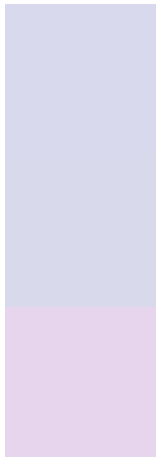


This preview shows how white text looks on a background with the Yxy color 70.2808, 0.2996, 0.3084.

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

70.2808, 0.2996, 0.3084

Protanopia

70.4336, 0.3003, 0.3085

Deuteranopia

70.1903, 0.3096, 0.3027



Tritanopia

70.1652, 0.3009, 0.3105

Trichromacy



Original Color

70.2808, 0.2996, 0.3084

Protanomaly

70.4336, 0.3003, 0.3085

Deuteranomaly

70.3763, 0.3060, 0.3046

Tritanomaly

70.2228, 0.3002, 0.3095

Monochromacy



Original Color

70.2808, 0.2996, 0.3084

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.4845, 0.3081, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2808, 0.2996, 0.3084 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(216, 217, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 217, 236) }
```

Border

The CSS property to change the border of an element to Yxy 70.2808, 0.2996, 0.3084 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, 236) }
```

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

```
.border{ border-color:rgb(216, 217, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 217, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 217, 236);  
box-shadow:4px 4px 4px 4px rgb(216, 217,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2808, 0.2996, 0.3084 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, 236) }
```

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

```
.background{ background-color: rgb(216,  
217, 236) }
```

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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