

Converting Colors

$Yxy(69.7563, 0.2987, 0.3247)$

Have a look what the booklet for
Yxy(69.7563, 0.2987, 0.3247)
contains.

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Color

Yxy(69.9321, 0.2990, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	CCDDE0
RGB	204, 221, 224
RGB Percent	80%, 87%, 88%
CMY	0.1999, 0.1333, 0.1216
CMYK	0.09, 0.01, 0.00, 0.12
HSL	189°, 24%, 84%
HSV	189°, 9%, 88%
XYZ	64.2190, 69.9321, 80.6281
YIQ	216.2590, -11.0950, -2.6710

Conversions

Conversions Part 2

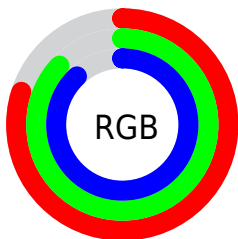
Format	Color
RYB	204, 213, 224
Decimal	13426144
CIELab	86.96, -5.06, -3.42
CIELCh	87, 6.110, 214.021
Yxy	69.9321, 0.2990, 0.3256
Android (android.graphics.Color)	4291616224 (0xFFCCDDE0)
YUV	216.2590, 3.8163, -10.7511
Hunter-Lab	83.6254, -9.2679, 1.3729

Details

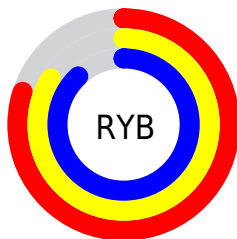
The Yxy color **69.9321, 0.2990, 0.3256** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.8490, 0.3278, 0.3324**, and the grayscale version is **68.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6210, 0.2958, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **65.2355, 0.2840, 0.3215**, and if you desaturate by 10%, it is **75.1254, 0.3144, 0.3294**.

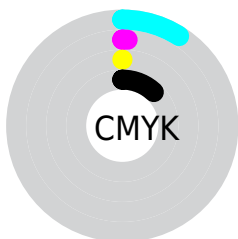
Distribution



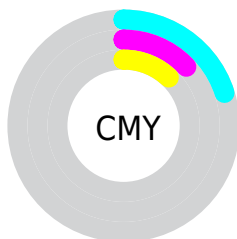
- Red (80%)
- Green (87%)
- Blue (88%)



- Red (80%)
- Yellow (84%)
- Blue (88%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (20%)
- Magenta (13%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9321, 0.2990, 0.3256 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 69.9321, 0.2990, 0.3256 by changing the saturation by 10% instead.

■ 69.9321, 0.2990,
0.3256

■ 69.9321, 0.2990,
0.3256

460.3116, 0.3054,
0.3272

■ 51.4712, 0.2975,
0.3252

119.1119, 0.3012,
0.3262

■ 36.5837, 0.2957,
0.3247

150.5996, 0.3021,
0.3264

■ 24.8854, 0.2934,
0.3241

187.1983, 0.3028,
0.3266

■ 15.9917, 0.2904,
0.3233

229.2925, 0.3035,
0.3267

■ 9.5183, 0.2862,
0.3221

277.2665, 0.3040,
0.3269

■ 5.0807, 0.2802,
0.3204

331.5048, 0.3045,

■ 2.2947, 0.2706,

0.3270

392.3917, 0.3050,
0.3271

0.3175

0.7709, 0.2473,
0.3130

0.0000, 0.0000,
0.0000

69.9321, 0.2990,
0.3256

69.9321, 0.2990,
0.3256

65.2355, 0.2840,
0.3215

75.1254, 0.3144,
0.3294

61.0071, 0.2697,
0.3170

80.8249, 0.3300,
0.3328

57.2291, 0.2565,
0.3122

83.8408, 0.3339,
0.3361

53.8787, 0.2445,
0.3071

85.7423, 0.3335,
0.3394

■ 50.9313, 0.2342,
0.3019

■ 87.6802, 0.3331,
0.3427

■ 48.3595, 0.2257,
0.2966

■ 89.6547, 0.3326,
0.3460

■ 46.1318, 0.2191,
0.2912

■ 91.6659, 0.3322,
0.3492

■ 44.2115, 0.2144,
0.2858

■ 93.7141, 0.3318,
0.3524

■ 42.5417, 0.2114,
0.2806

■ 95.7995, 0.3314,
0.3556

Harmonies

Analogous

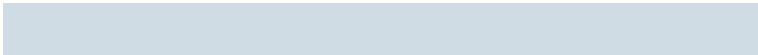
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9321, 0.3031, 0.3324



69.9321, 0.2990, 0.3256



69.9321, 0.2985, 0.3199

Triad

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



69.9321, 0.2990, 0.3256



69.9321, 0.3156, 0.3200



69.9321, 0.3237, 0.3415

Complementary

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



69.9321, 0.2990, 0.3256



64.8490, 0.3278, 0.3324

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.



69.9321, 0.3271, 0.3380



69.9321, 0.2990, 0.3256



69.9321, 0.3224, 0.3256

Square

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



69.9321, 0.2990, 0.3256



69.9321, 0.3080, 0.3167



69.9321, 0.3266, 0.3322



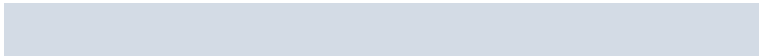
69.9321, 0.3173, 0.3417

Rectangle

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



69.9321, 0.2990, 0.3256



69.9321, 0.3004, 0.3174



69.9321, 0.3266, 0.3322



69.9321, 0.3252, 0.3407

Sweetspot

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



69.9350, 0.2990, 0.3256



97.8473, 0.3080, 0.3279



70.6563, 0.3097, 0.3483



20.8224, 0.3068, 0.3276



0.0000, 0.0000, 0.0000



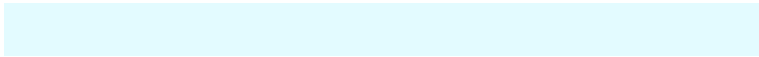
21.4041, 0.3127, 0.3290

Same Dimension

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



69.9350, 0.2990, 0.3256



92.4053, 0.2957, 0.3247



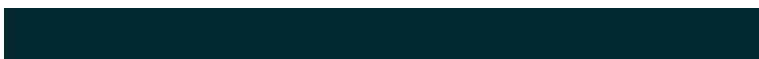
64.8231, 0.2990, 0.3143



15.2033, 0.2982, 0.3254



24.7970, 0.2113, 0.2808



1.8152, 0.2136, 0.2890

Inverse Universe

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



64.2696, 0.3159, 0.3104



83.1225, 0.3167, 0.3058



69.8373, 0.3267, 0.3433



13.8984, 0.3161, 0.3093



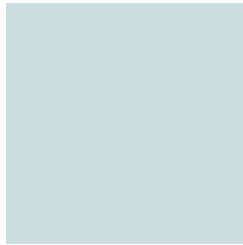
11.4113, 0.3627, 0.1772



0.8007, 0.3553, 0.1731

Previews

White Background



This preview shows how the Yxy color 69.9321, 0.2990, 0.3256 looks on a white background.

Color Contrast Check

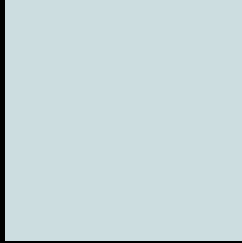
Large Text (above 18pt) WCAG AA × Fail

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 69.9321, 0.2990, 0.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

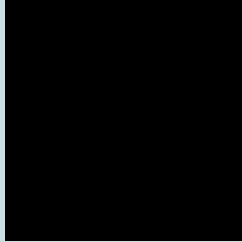
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

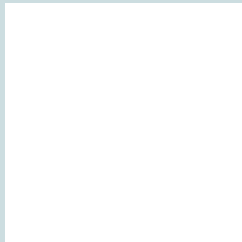
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.9321, 0.2990, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 69.9321, 0.2990, 0.3256.

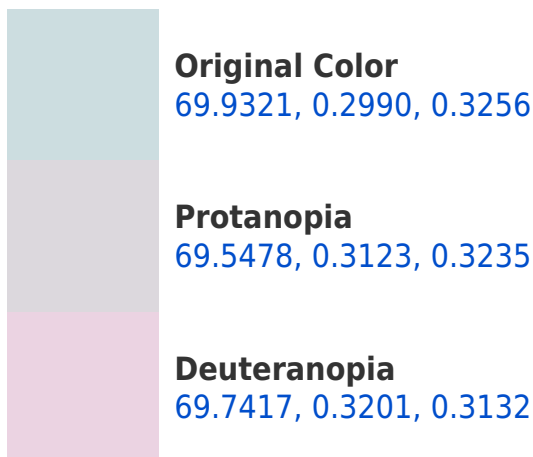


This preview shows how white text looks on a background with the Yxy color 69.9321, 0.2990, 0.3256.

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

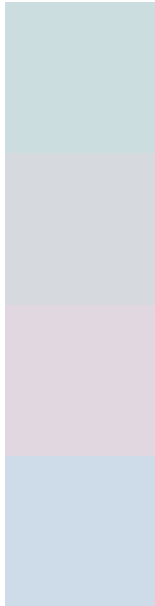




Tritanopia

69.8410, 0.2928, 0.3102

Trichromacy



Original Color

69.9321, 0.2990, 0.3256

Protanomaly

69.7129, 0.3072, 0.3246

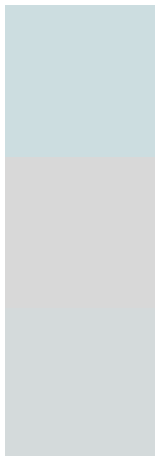
Deuteranomaly

69.8844, 0.3125, 0.3182

Tritanomaly

69.9917, 0.2947, 0.3157

Monochromacy



Original Color

69.9321, 0.2990, 0.3256

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.2543, 0.3078, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9321, 0.2990, 0.3256 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(204, 221, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 221, 224) }
```

Border

The CSS property to change the border of an element to Yxy 69.9321, 0.2990, 0.3256 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, 224) }
```

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

```
.border{ border-color:rgb(204, 221, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 221, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 221, 224);  
box-shadow:4px 4px 4px 4px rgb(204, 221,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9321, 0.2990, 0.3256 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, 224) }
```

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

```
.background{ background-color: rgb(204,  
221, 224) }
```

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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