

Converting Colors

$Yxy(67.7007, 0.2991, 0.3178)$

Have a look what the booklet for
Yxy(67.7007, 0.2991, 0.3178)
contains.

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Color

Yxy(67.7245, 0.2991, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	CED8E2
RGB	206, 216, 226
RGB Percent	81%, 85%, 89%
CMY	0.1920, 0.1529, 0.1139
CMYK	0.09, 0.04, 0.00, 0.11
HSL	210°, 26%, 85%
HSV	210°, 9%, 89%
XYZ	63.7395, 67.7245, 81.6402
YIQ	214.1500, -9.1700, 0.9900

Conversions

Conversions Part 2

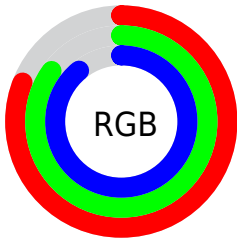
Format	Color
R _Y B	206, 213, 226
Decimal	13555938
CIE Lab	85.87, -1.44, -6.06
CIE LCh	86, 6.229, 256.646
Yxy	67.7245, 0.2991, 0.3178
Android (android.graphics.Color)	4291746018 (0xFFCED8E2)
YUV	214.1500, 5.8421, -7.1475
Hunter-Lab	82.2949, -5.7634, -1.2119

Details

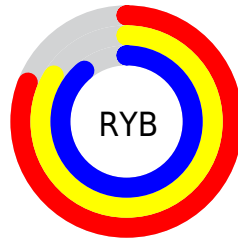
The Yxy color **67.7245, 0.2991, 0.3178** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.7331, 0.3269, 0.3400**, and the grayscale version is **67.3194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1054, 0.2958, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **59.1300, 0.2831, 0.3037**, and if you desaturate by 10%, it is **77.1878, 0.3145, 0.3304**.

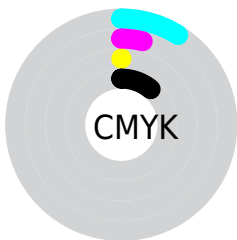
Distribution



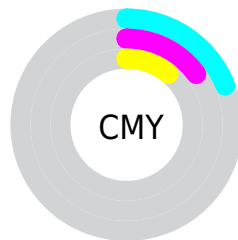
- Red (81%)
- Green (85%)
- Blue (89%)



- Red (81%)
- Yellow (84%)
- Blue (89%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (19%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7245, 0.2991, 0.3178 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 67.7245, 0.2991, 0.3178 by changing the saturation by 10% instead.

■ 67.7245, 0.2991,
0.3178

■ 67.7245, 0.2991,
0.3178

452.5193, 0.3055,
0.3231

■ 49.6736, 0.2976,
0.3166

115.9579, 0.3013,
0.3196

■ 35.1541, 0.2958,
0.3151

146.9093, 0.3022,
0.3204

■ 23.7816, 0.2935,
0.3131

182.9296, 0.3029,
0.3210

■ 15.1717, 0.2904,
0.3105

224.4033, 0.3036,
0.3215

■ 8.9400, 0.2862,
0.3070

271.7147, 0.3041,
0.3220

■ 4.7021, 0.2799,
0.3017

325.2482, 0.3046,

■ 2.0735, 0.2700,

0.3224

0.2931

385.3883, 0.3051,
0.3227

0.6497, 0.2454,
0.2738

0.0000, 0.0000,
0.0000

67.7245, 0.2991,
0.3178

67.7245, 0.2991,
0.3178

59.1300, 0.2831,
0.3037

77.1878, 0.3145,
0.3304

51.3679, 0.2667,
0.2882

87.5376, 0.3291,
0.3416

44.4119, 0.2503,
0.2712

95.0554, 0.3304,
0.3524

38.2306, 0.2343,
0.2531

98.2692, 0.3298,
0.3572

■ 32.7902, 0.2192,
0.2340

■ 28.0538, 0.2056,
0.2143

■ 23.9801, 0.1938,
0.1947

■ 20.5220, 0.1844,
0.1757

■ 17.6120, 0.1773,
0.1577

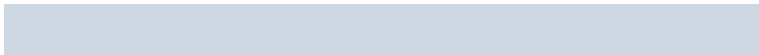
Harmonies

Analogous

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



67.7245, 0.2979, 0.3228



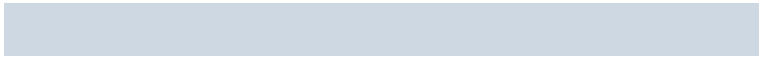
67.7245, 0.2991, 0.3178



67.7245, 0.3039, 0.3159

Triad

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



67.7245, 0.2991, 0.3178



67.7245, 0.3250, 0.3283



67.7245, 0.3142, 0.3410

Complementary

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



67.7245, 0.2991, 0.3178



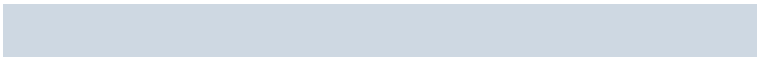
69.7331, 0.3269, 0.3400

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.



67.7245, 0.3215, 0.3424



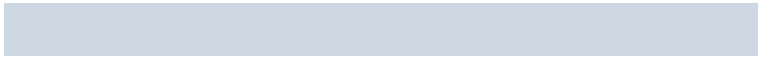
67.7245, 0.2991, 0.3178



67.7245, 0.3278, 0.3350

Square

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



67.7245, 0.2991, 0.3178



67.7245, 0.3188, 0.3219



67.7245, 0.3265, 0.3402



67.7245, 0.3065, 0.3363

Rectangle

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



67.7245, 0.2991, 0.3178



67.7245, 0.3086, 0.3165



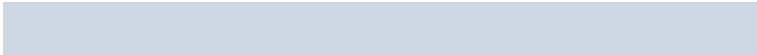
67.7245, 0.3265, 0.3402



67.7245, 0.3168, 0.3419

Sweetspot

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



67.7274, 0.2991, 0.3178



96.1616, 0.3081, 0.3253



72.4596, 0.3053, 0.3401



20.3668, 0.3069, 0.3243



0.0000, 0.0000, 0.0000



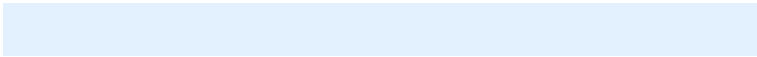
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7274, 0.2991, 0.3178



86.4385, 0.2955, 0.3148



62.7736, 0.2991, 0.3064



14.3700, 0.2981, 0.3170



10.1079, 0.1773, 0.1584



0.8797, 0.1851, 0.1863

Inverse Universe

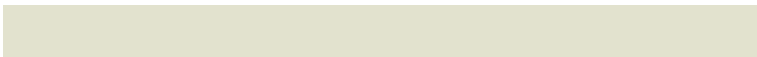
The Inverse Universe completely reimagines the original color for something new.



65.2795, 0.3208, 0.3181



82.5202, 0.3231, 0.3153



74.9967, 0.3258, 0.3506



13.8143, 0.3214, 0.3173



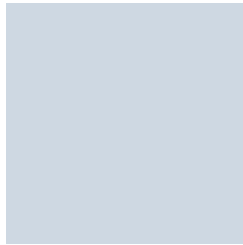
9.9284, 0.4952, 0.2502



0.7063, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 67.7245, 0.2991, 0.3178 looks on a white background.

Color Contrast Check

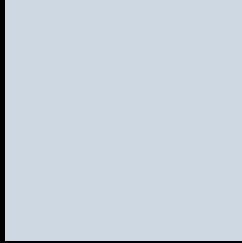
Large Text (above 18pt) WCAG AA × Fail

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 67.7245, 0.2991, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

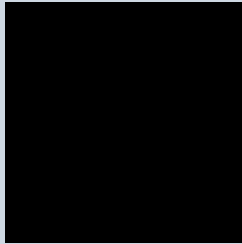
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

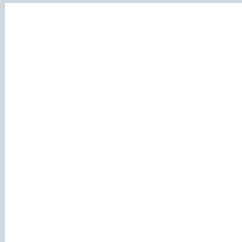
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7245, 0.2991, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 67.7245, 0.2991, 0.3178.

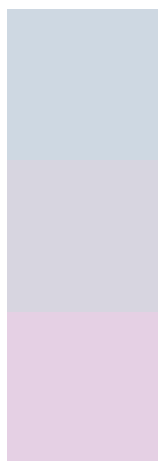


This preview shows how white text looks on a background with the Yxy color 67.7245, 0.2991, 0.3178.

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

67.7245, 0.2991, 0.3178

Protanopia

67.4174, 0.3068, 0.3168

Deuteranopia

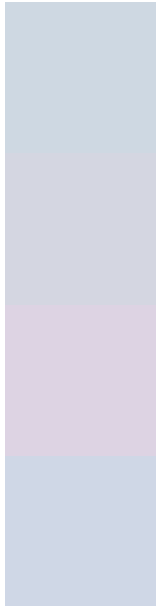
67.3712, 0.3145, 0.3076



Tritanopia

67.6925, 0.2959, 0.3101

Trichromacy



Original Color

67.7245, 0.2991, 0.3178

Protanomaly

67.5264, 0.3039, 0.3168

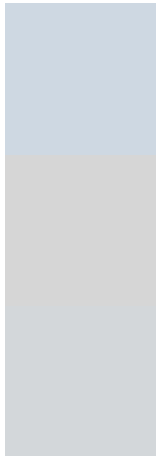
Deuteranomaly

67.5067, 0.3091, 0.3116

Tritanomaly

67.5794, 0.2972, 0.3123

Monochromacy



Original Color

67.7245, 0.2991, 0.3178

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.5117, 0.3078, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7245, 0.2991, 0.3178 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(206, 216, 226)` looks like.

```
.text, #text, p{  
    color:rgb(206, 216, 226)  
}
```

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(206, 216, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 216, 226) }
```

Border

The CSS property to change the border of an element to Yxy 67.7245, 0.2991, 0.3178 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(206, 216, 226) }
```

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

```
.border{ border-color:rgb(206, 216, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 216, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(206, 216,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7245, 0.2991, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 216, 226) }
```

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

```
.background{ background-color: rgb(206,  
216, 226) }
```

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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