

Converting Colors

$Yxy(77.1608, 0.2877, 0.3246)$

Have a look what the booklet for
Yxy(77.1608, 0.2877, 0.3246)
contains.

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Color

Yxy(77.1608, 0.2877, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	C7EAEE
RGB	199, 234, 238
RGB Percent	78%, 92%, 93%
CMY	0.2199, 0.0822, 0.0668
CMYK	0.16, 0.02, 0.00, 0.07
HSL	186°, 53%, 86%
HSV	186°, 16%, 93%
XYZ	68.3893, 77.1608, 92.1603
YIQ	223.9910, -22.1440, -6.1760

Conversions

Conversions Part 2

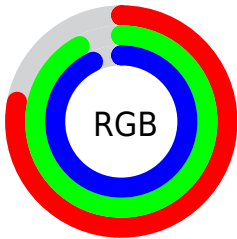
Format	Color
R _Y B	199, 217, 238
Decimal	13101806
CIE Lab	90.40, -10.56, -5.75
CIE LCh	90, 12.021, 208.557
Yxy	77.1608, 0.2877, 0.3246
Android (android.graphics.Color)	4291291886 (0xFFC7EAEE)
YUV	223.9910, 6.9064, -21.9171
Hunter-Lab	87.8412, -14.7499, -0.7164

Details

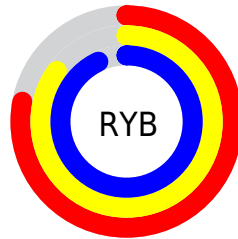
The Yxy color **77.1608, 0.2877, 0.3246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9432, 0.3433, 0.3334**, and the grayscale version is **74.4873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2379, 0.2825, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **72.7993, 0.2734, 0.3216**, and if you desaturate by 10%, it is **82.0562, 0.3028, 0.3274**.

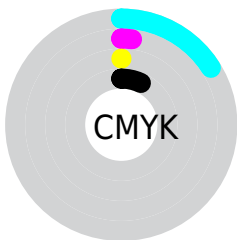
Distribution



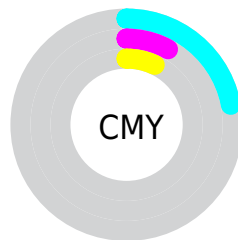
- Red (78%)
- Green (92%)
- Blue (93%)



- Red (78%)
- Yellow (85%)
- Blue (93%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1608, 0.2877, 0.3246 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 77.1608, 0.2877, 0.3246 by changing the saturation by 10% instead.

■ 77.1608, 0.2877,
0.3246

■ 77.1608, 0.2877,
0.3246

485.3121, 0.2991,
0.3267

■ 57.3849, 0.2851,
0.3241

129.3664, 0.2916,
0.3254

■ 41.3143, 0.2820,
0.3235

162.5649, 0.2931,
0.3256

■ 28.5648, 0.2781,
0.3226

201.0064, 0.2945,
0.3259

■ 18.7518, 0.2730,
0.3215

245.0752, 0.2956,
0.3261

■ 11.4911, 0.2662,
0.3200

295.1558, 0.2966,
0.3263

■ 6.3982, 0.2565,
0.3176

351.6326, 0.2975,

■ 3.0887, 0.2420,

0.3265

0.3137

414.8899, 0.2984,
0.3266

1.1782, 0.2173,
0.3063

0.0438, 0.0000,
0.0888

77.1608, 0.2877,
0.3246

77.1608, 0.2877,
0.3246

72.7993, 0.2734,
0.3216

82.0562, 0.3028,
0.3274

68.9385, 0.2602,
0.3185

87.4982, 0.3183,
0.3299

65.5561, 0.2484,
0.3151

90.4901, 0.3238,
0.3322

62.6243, 0.2382,
0.3117

91.9267, 0.3236,
0.3346

60.1120, 0.2299,
0.3081

93.3822, 0.3234,
0.3369

57.9846, 0.2235,
0.3046

94.8567, 0.3232,
0.3392

56.2011, 0.2191,
0.3011

96.3502, 0.3230,
0.3415

54.7104, 0.2164,
0.2976

97.8629, 0.3228,
0.3438

54.2174, 0.2157,
0.2964

98.9518, 0.3226,
0.3454

Harmonies

Analogous

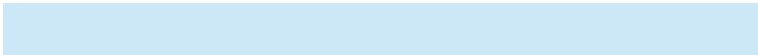
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1608, 0.2964, 0.3377



77.1608, 0.2877, 0.3246



77.1608, 0.2856, 0.3131

Triad

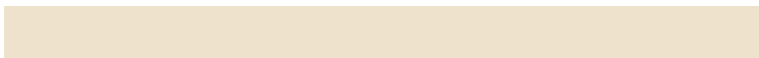
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1608, 0.2877, 0.3246



77.1608, 0.3154, 0.3106



77.1608, 0.3352, 0.3520

Complementary

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



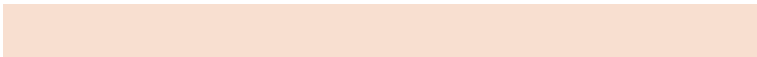
77.1608, 0.2877, 0.3246



64.9432, 0.3433, 0.3334

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.



77.1608, 0.3406, 0.3441



77.1608, 0.2877, 0.3246



77.1608, 0.3291, 0.3204

Square

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



77.1608, 0.2877, 0.3246



77.1608, 0.3013, 0.3054



77.1608, 0.3384, 0.3325



77.1608, 0.3238, 0.3538

Rectangle

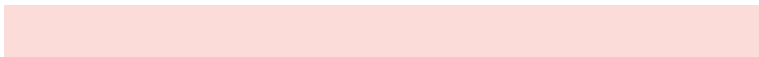
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1608, 0.2877, 0.3246



77.1608, 0.2881, 0.3079



77.1608, 0.3384, 0.3325



77.1608, 0.3378, 0.3499

Sweetspot

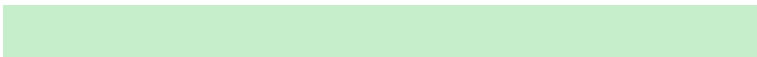
The Sweet Spot groups the original color and five complimentary colors.



77.1640, 0.2877, 0.3246



96.8414, 0.3049, 0.3277



77.5710, 0.3083, 0.3687



20.6358, 0.3038, 0.3275



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.



77.1640, 0.2877, 0.3246



88.3299, 0.2824, 0.3235



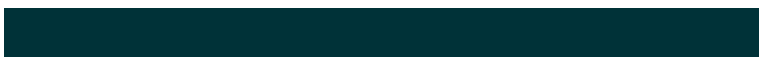
66.6707, 0.2867, 0.3027



17.6397, 0.2981, 0.3265



30.3643, 0.2158, 0.2969



2.6042, 0.2171, 0.3015

Inverse Universe

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



64.9246, 0.3175, 0.2923



71.3379, 0.3186, 0.2839



74.7242, 0.3399, 0.3539



16.0022, 0.3153, 0.3080



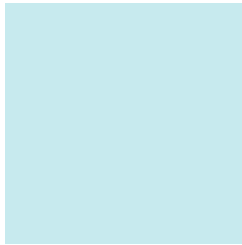
12.8586, 0.3481, 0.1691



1.0776, 0.3441, 0.1669

Previews

White Background



This preview shows how the Yxy color 77.1608, 0.2877, 0.3246 looks on a white background.

Color Contrast Check

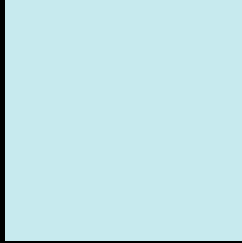
Large Text (above 18pt) WCAG AA × Fail

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 77.1608, 0.2877, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

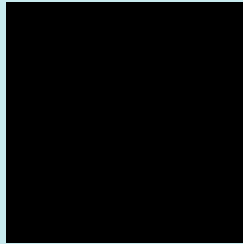
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1608, 0.2877, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 77.1608, 0.2877, 0.3246.

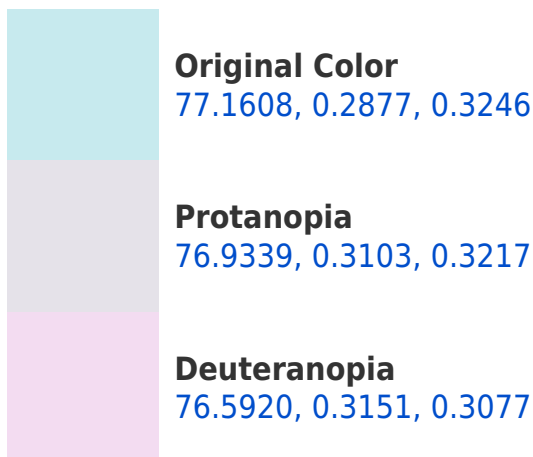


This preview shows how white text looks on a background with the Yxy color 77.1608, 0.2877, 0.3246.

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

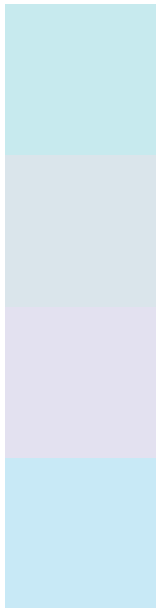




Tritanopia

77.0958, 0.2815, 0.3085

Trichromacy



Original Color

77.1608, 0.2877, 0.3246

Protanomaly

76.9422, 0.3016, 0.3226

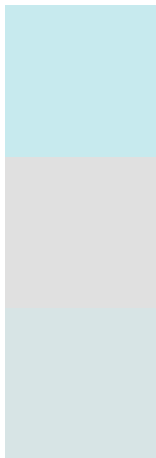
Deuteranomaly

76.4726, 0.3045, 0.3133

Tritanomaly

77.2110, 0.2838, 0.3149

Monochromacy



Original Color

77.1608, 0.2877, 0.3246

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.5910, 0.3033, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1608, 0.2877, 0.3246 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(199, 234, 238)` looks like.

```
.text, #text, p{  
    color:rgb(199, 234, 238)  
}
```

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(199, 234, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 234, 238) }
```

Border

The CSS property to change the border of an element to Yxy 77.1608, 0.2877, 0.3246 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(199, 234, 238) }
```

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

```
.border{ border-color:rgb(199, 234, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 234, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 234, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 234, 238);  
box-shadow:4px 4px 4px 4px rgb(199, 234,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1608, 0.2877, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 234, 238) }
```

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

```
.background{ background-color: rgb(199,  
234, 238) }
```

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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