

Converting Colors

$Yxy(78.2742, 0.2828, 0.3160)$

Have a look what the booklet for
Yxy(78.2742, 0.2828, 0.3160)
contains.

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Color

Yxy(78.2742, 0.2828, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	C7EBF7
RGB	199, 235, 247
RGB Percent	78%, 92%, 97%
CMY	0.2195, 0.0784, 0.0315
CMYK	0.19, 0.05, 0.00, 0.03
HSL	195°, 75%, 87%
HSV	195°, 19%, 97%
XYZ	70.0505, 78.2742, 99.3785
YIQ	225.6040, -25.3080, -3.9000

Conversions

Conversions Part 2

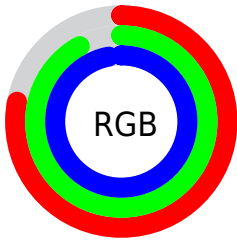
Format	Color
R _Y B	199, 220, 247
Decimal	13102071
CIE Lab	90.90, -9.16, -9.68
CIE LCh	91, 13.326, 226.608
Yxy	78.2742, 0.2828, 0.3160
Android (android.graphics.Color)	4291292151 (0xFFC7EBF7)
YUV	225.6040, 10.5482, -23.3317
Hunter-Lab	88.4727, -13.4954, -4.6676

Details

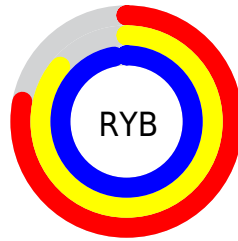
The Yxy color **78.2742, 0.2828, 0.3160** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4745, 0.3488, 0.3416**, and the grayscale version is **75.6928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9311, 0.2755, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **71.7010, 0.2679, 0.3084**, and if you desaturate by 10%, it is **85.5242, 0.2981, 0.3230**.

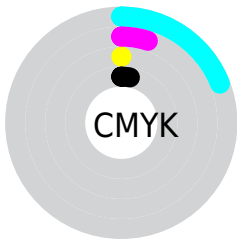
Distribution



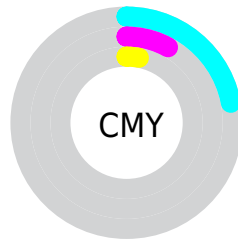
- Red (78%)
- Green (92%)
- Blue (97%)



- Red (78%)
- Yellow (86%)
- Blue (97%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (22%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2742, 0.2828, 0.3160 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 78.2742, 0.2828, 0.3160 by changing the saturation by 10% instead.

■ 78.2742, 0.2828,
0.3160

■ 78.2742, 0.2828,
0.3160

489.0975, 0.2963,
0.3221

■ 58.2993, 0.2798,
0.3146

130.9366, 0.2874,
0.3181

■ 42.0493, 0.2761,
0.3129

164.3928, 0.2893,
0.3189

■ 29.1399, 0.2715,
0.3106

203.1116, 0.2908,
0.3197

■ 19.1867, 0.2655,
0.3077

247.4773, 0.2922,
0.3203

■ 11.8052, 0.2576,
0.3038

297.8744, 0.2934,
0.3208

■ 6.6112, 0.2465,
0.2980

354.6872, 0.2945,

■ 3.2202, 0.2299,

0.3213

0.2889

418.3001, 0.2955,
0.3217

1.2477, 0.2026,
0.2728

0.1002, 0.0000,
0.1130

78.2742, 0.2828,
0.3160

78.2742, 0.2828,
0.3160

71.7010, 0.2679,
0.3084

85.5242, 0.2981,
0.3230

65.7674, 0.2538,
0.3002

93.4672, 0.3136,
0.3294

60.4467, 0.2407,
0.2915

98.5309, 0.3175,
0.3353

55.7064, 0.2292,
0.2824

99.4929, 0.3174,
0.3367

■ 51.5103, 0.2193,
0.2731

■ 47.8173, 0.2114,
0.2637

■ 44.5787, 0.2056,
0.2543

■ 41.7194, 0.2015,
0.2451

■ 41.5567, 0.2013,
0.2445

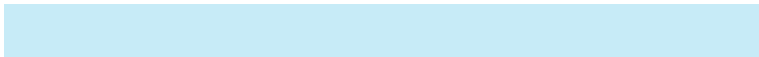
Harmonies

Analogous

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



78.2742, 0.2882, 0.3299



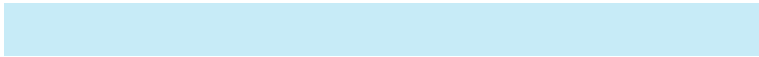
78.2742, 0.2828, 0.3160



78.2742, 0.2852, 0.3061

Triad

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



78.2742, 0.2828, 0.3160



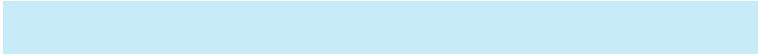
78.2742, 0.3251, 0.3147



78.2742, 0.3305, 0.3565

Complementary

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



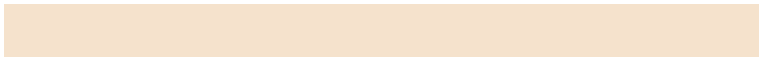
78.2742, 0.2828, 0.3160



70.4745, 0.3488, 0.3416

Split Complementary

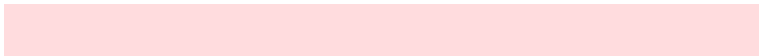
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2742, 0.3409, 0.3515



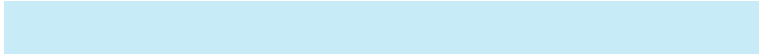
78.2742, 0.2828, 0.3160



78.2742, 0.3378, 0.3274

Square

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



78.2742, 0.2828, 0.3160



78.2742, 0.3093, 0.3057



78.2742, 0.3436, 0.3408



78.2742, 0.3155, 0.3538

Rectangle

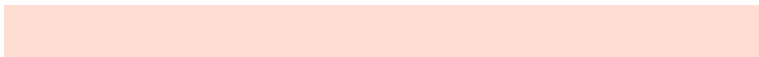
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



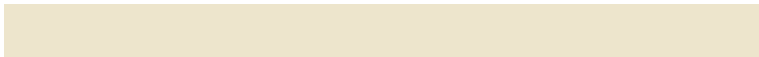
78.2742, 0.2828, 0.3160



78.2742, 0.2908, 0.3030



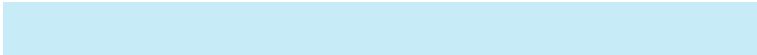
78.2742, 0.3436, 0.3408



78.2742, 0.3347, 0.3557

Sweetspot

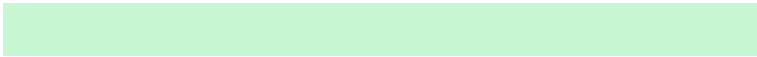
The Sweet Spot groups the original color and five complimentary colors.



78.2774, 0.2828, 0.3160



94.8015, 0.3034, 0.3252



83.3073, 0.3038, 0.3697



20.1739, 0.3024, 0.3248



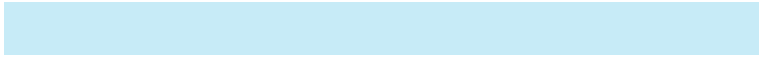
0.0000, 0.0000, 0.0000



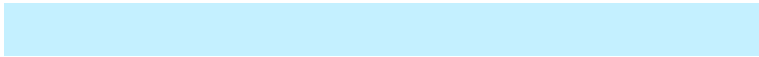
21.4041, 0.3127, 0.3290

Same Dimension

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



78.2774, 0.2828, 0.3160



81.5398, 0.2773, 0.3133



65.8522, 0.2812, 0.2901



18.0166, 0.2980, 0.3230



22.2228, 0.2017, 0.2461



2.1148, 0.2049, 0.2577

Inverse Universe

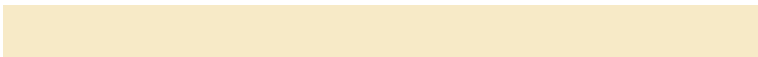
The Inverse Universe completely reimagines the original color for something new.



66.6262, 0.3236, 0.2923



67.2111, 0.3260, 0.2852



82.8394, 0.3443, 0.3651



16.6935, 0.3176, 0.3114



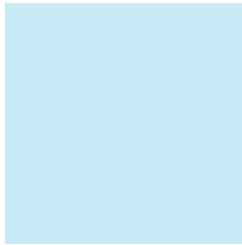
12.3428, 0.3961, 0.1956



1.1011, 0.3846, 0.1893

Previews

White Background



This preview shows how the Yxy color 78.2742, 0.2828, 0.3160 looks on a white background.

Color Contrast Check

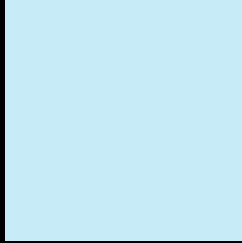
Large Text (above 18pt) WCAG AA × Fail

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 78.2742, 0.2828, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

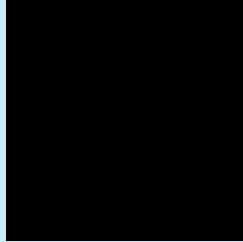
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2742, 0.2828, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 78.2742, 0.2828, 0.3160.

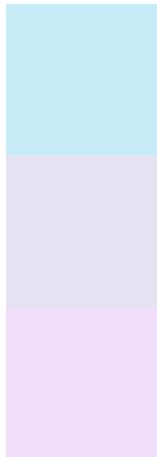


This preview shows how white text looks on a background with the Yxy color 78.2742, 0.2828, 0.3160.

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

78.2742, 0.2828, 0.3160

Protanopia

78.0070, 0.3046, 0.3134

Deuteranopia

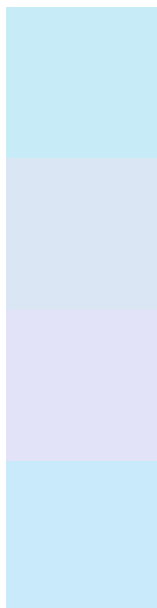
77.8455, 0.3078, 0.3008



Tritanopia

78.2168, 0.2800, 0.3086

Trichromacy



Original Color

78.2742, 0.2828, 0.3160

Protanomaly

78.0307, 0.2961, 0.3142

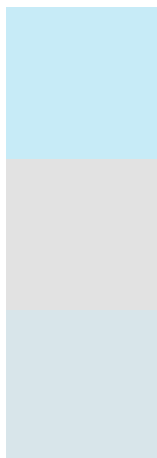
Deuteranomaly

77.9465, 0.2983, 0.3062

Tritanomaly

78.0900, 0.2811, 0.3107

Monochromacy



Original Color

78.2742, 0.2828, 0.3160

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.5781, 0.3008, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2742, 0.2828, 0.3160 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, 235, 247)` looks like.

```
.text, #text, p{  
    color:rgb(199, 235, 247)  
}
```

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, 235, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 235, 247) }
```

Border

The CSS property to change the border of an element to Yxy 78.2742, 0.2828, 0.3160 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, 235, 247) }
```

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

```
.border{ border-color:rgb(199, 235, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 235, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 235, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 235, 247);  
box-shadow:4px 4px 4px 4px rgb(199, 235,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2742, 0.2828, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 235, 247) }
```

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

```
.background{ background-color: rgb(199,  
235, 247) }
```

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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