

Converting Colors

$Yxy(78.5419, 0.2781, 0.3212)$

Have a look what the booklet for
Yxy(78.5419, 0.2781, 0.3212)
contains.

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Color

Yxy(78.5605, 0.2782, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	BDEEF5
RGB	189, 238, 245
RGB Percent	74%, 93%, 96%
CMY	0.2588, 0.0666, 0.0391
CMYK	0.23, 0.03, 0.00, 0.04
HSL	188°, 74%, 85%
HSV	188°, 23%, 96%
XYZ	68.0434, 78.5605, 97.9805
YIQ	224.1470, -31.4510, -8.2110

Conversions

Conversions Part 2

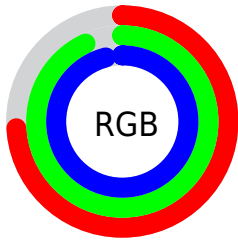
Format	Color
R _Y B	189, 215, 245
Decimal	12447477
CIE Lab	91.04, -14.07, -8.55
CIE LCh	91, 16.463, 211.269
Yxy	78.5605, 0.2782, 0.3212
Android (android.graphics.Color)	4290637557 (0xFFBDEEF5)
YUV	224.1470, 10.2805, -30.8239
Hunter-Lab	88.6344, -18.0782, -3.4978

Details

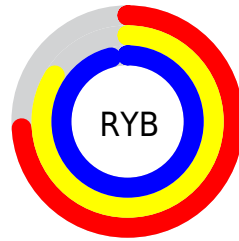
The Yxy color **78.5605, 0.2782, 0.3212** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.5763, 0.3583, 0.3367**, and the grayscale version is **74.5957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **42.1984, 0.2701, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **73.9184, 0.2644, 0.3173**, and if you desaturate by 10%, it is **83.7687, 0.2929, 0.3248**.

Distribution



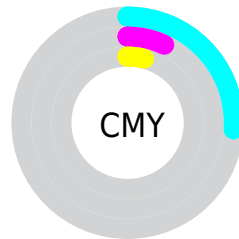
- Red (74%)
- Green (93%)
- Blue (96%)



- Red (74%)
- Yellow (84%)
- Blue (96%)



- Cyan (23%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)





- Cyan (26%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5605, 0.2782, 0.3212 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 78.5605, 0.2782, 0.3212 by changing the saturation by 10% instead.


 78.5605, 0.2782,
0.3212

 78.5605, 0.2782,
0.3212


490.0683, 0.2938,
0.3250

 58.5345, 0.2747,
0.3203


 131.3400, 0.2835,
0.3225

 42.2385, 0.2705,
0.3192


164.8622, 0.2856,
0.3231

 29.2881, 0.2652,
0.3177

203.6520, 0.2874,
0.3235

 19.2989, 0.2584,
0.3158

248.0938, 0.2890,
0.3239

 11.8864, 0.2493,
0.3130

298.5719, 0.2904,
0.3242

 6.6664, 0.2367,
0.3090

355.4708, 0.2917,

 3.2544, 0.2179,

0.3245

419.1748, 0.2928,
0.3248

0.3023

1.2659, 0.1872,
0.2899

0.1146, 0.0000,
0.1369

78.5605, 0.2782,
0.3212

78.5605, 0.2782,
0.3212

73.9184, 0.2644,
0.3173

83.7687, 0.2929,
0.3248

69.8062, 0.2518,
0.3133

89.5584, 0.3083,
0.3281

66.1980, 0.2408,
0.3090

94.5054, 0.3190,
0.3311

63.0618, 0.2315,
0.3046

96.4003, 0.3188,
0.3341

60.3617, 0.2241,
0.3002

98.3262, 0.3186,
0.3370

58.0564, 0.2186,
0.2957

99.3740, 0.3185,
0.3386

56.0957, 0.2151,
0.2913

54.8541, 0.2134,
0.2882

Harmonies

Analogous

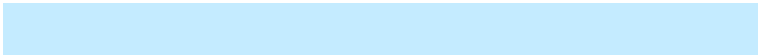
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5605, 0.2892, 0.3393



78.5605, 0.2782, 0.3212



78.5605, 0.2762, 0.3061

Triad

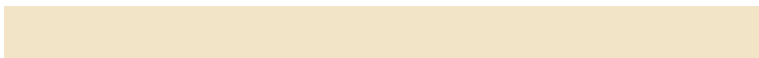
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5605, 0.2782, 0.3212



78.5605, 0.3181, 0.3051



78.5605, 0.3422, 0.3609

Complementary

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



78.5605, 0.2782, 0.3212



62.5763, 0.3583, 0.3367

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.



78.5605, 0.3506, 0.3505



78.5605, 0.2782, 0.3212



78.5605, 0.3365, 0.3186

Square

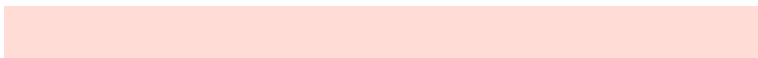
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5605, 0.2782, 0.3212



78.5605, 0.2987, 0.2975



78.5605, 0.3485, 0.3351



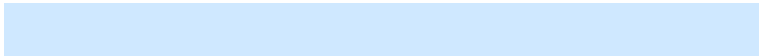
78.5605, 0.3260, 0.3627

Rectangle

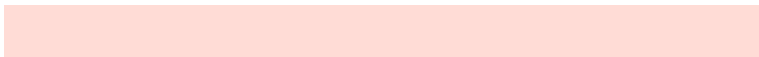
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5605, 0.2782, 0.3212



78.5605, 0.2801, 0.2996



78.5605, 0.3485, 0.3351



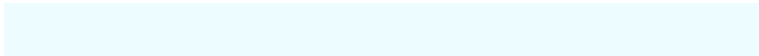
78.5605, 0.3461, 0.3582

Sweetspot

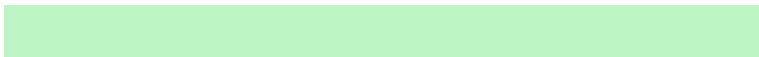
The Sweet Spot groups the original color and five complimentary colors.



78.5637, 0.2782, 0.3212



95.3520, 0.3018, 0.3268



80.1009, 0.3060, 0.3856



20.3267, 0.3009, 0.3266



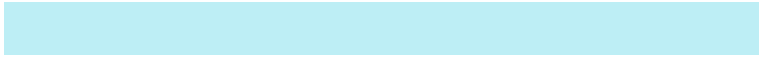
0.0000, 0.0000, 0.0000



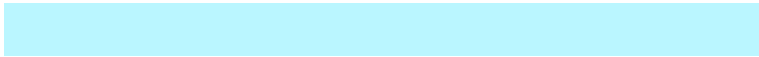
21.4041, 0.3127, 0.3290

Same Dimension

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



78.5637, 0.2782, 0.3212



83.8180, 0.2723, 0.3196



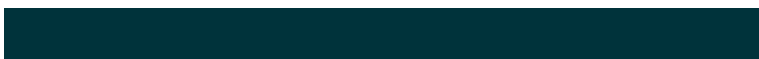
63.7388, 0.2758, 0.2899



18.3827, 0.2981, 0.3260



29.6862, 0.2136, 0.2889



2.7064, 0.2151, 0.2944

Inverse Universe

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



61.9829, 0.3206, 0.2787



63.1179, 0.3223, 0.2693



76.1577, 0.3519, 0.3652



16.7305, 0.3157, 0.3085



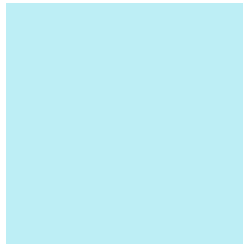
13.0962, 0.3553, 0.1731



1.1608, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 78.5605, 0.2782, 0.3212 looks on a white background.

Color Contrast Check

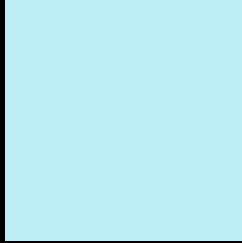
Large Text (above 18pt) WCAG AA × Fail

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 78.5605, 0.2782, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

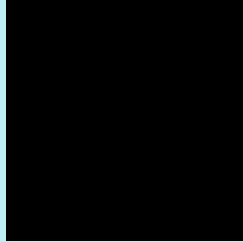
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5605, 0.2782, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 78.5605, 0.2782, 0.3212.

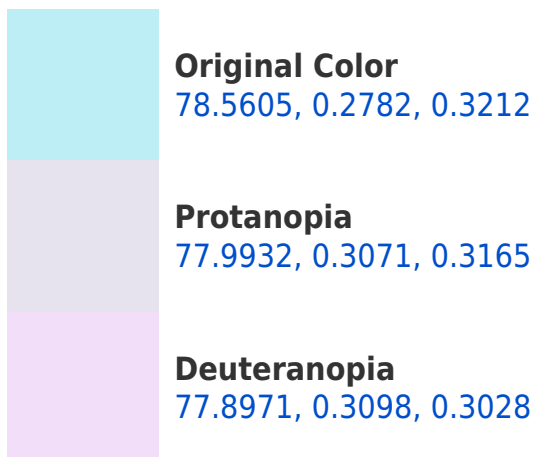


This preview shows how white text looks on a background with the Yxy color 78.5605, 0.2782, 0.3212.

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

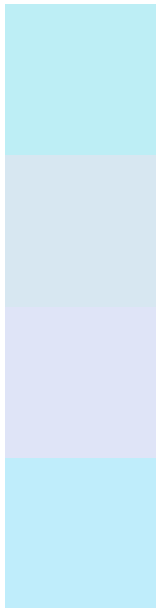




Tritanopia

78.4174, 0.2745, 0.3084

Trichromacy



Original Color

78.5605, 0.2782, 0.3212

Protanomaly

77.9498, 0.2960, 0.3183

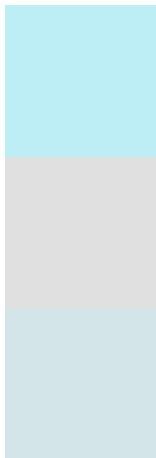
Deuteranomaly

77.8902, 0.2976, 0.3092

Tritanomaly

78.6098, 0.2761, 0.3137

Monochromacy



Original Color

78.5605, 0.2782, 0.3212

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.7137, 0.2988, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5605, 0.2782, 0.3212 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(189, 238, 245)` looks like.

```
.text, #text, p{  
    color:rgb(189, 238, 245)  
}
```

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(189, 238, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 238, 245) }
```

Border

The CSS property to change the border of an element to Yxy 78.5605, 0.2782, 0.3212 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(189, 238, 245) }
```

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

```
.border{ border-color:rgb(189, 238, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 238, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 238, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 238, 245);  
box-shadow:4px 4px 4px 4px rgb(189, 238,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5605, 0.2782, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 238, 245) }
```

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

```
.background{ background-color: rgb(189,  
238, 245) }
```

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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