

Converting Colors

$Yxy(78.2566, 0.2956, 0.3426)$

Have a look what the booklet for
Yxy(78.2566, 0.2956, 0.3426)
contains.

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Color

Yxy(78.1467, 0.2953, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	C7EDE1
RGB	199, 237, 225
RGB Percent	78%, 93%, 88%
CMY	0.2195, 0.0706, 0.1175
CMYK	0.16, 0.00, 0.05, 0.07
HSL	161°, 51%, 85%
HSV	161°, 16%, 93%
XYZ	67.4364, 78.1467, 82.7825
YIQ	224.2700, -18.7960, -11.7880

Conversions

Conversions Part 2

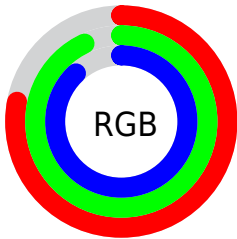
Format	Color
RYB	199, 222, 237
Decimal	13102561
CIELab	90.85, -14.59, 1.68
CIELCh	91, 14.690, 173.436
Yxy	78.1467, 0.2953, 0.3422
Android (android.graphics.Color)	4291292641 (0xFFC7EDE1)
YUV	224.2700, 0.3599, -22.1618
Hunter-Lab	88.4006, -18.5325, 6.3585

Details

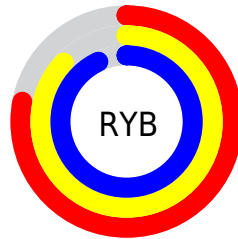
The Yxy color **78.1467, 0.2953, 0.3422** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.5675, 0.3338, 0.3162**, and the grayscale version is **74.7583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9698, 0.2914, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **74.7570, 0.2851, 0.3515**, and if you desaturate by 10%, it is **82.0656, 0.3061, 0.3337**.

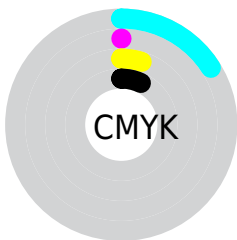
Distribution



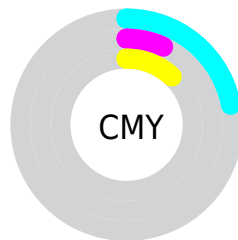
- Red (78%)
- Green (93%)
- Blue (88%)



- Red (78%)
- Yellow (87%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)




- Cyan (22%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1467, 0.2953, 0.3422 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 78.1467, 0.2953, 0.3422 by changing the saturation by 10% instead.


 78.1467, 0.2953,
0.3422

 78.1467, 0.2953,
0.3422

488.6649, 0.3033,
0.3361

 58.1945, 0.2935,
0.3436

130.7569, 0.2981,
0.3401

 41.9650, 0.2913,
0.3453


164.1837, 0.2991,
0.3393

 29.0739, 0.2885,
0.3474

202.8708, 0.3001,
0.3386

 19.1367, 0.2848,
0.3502

247.2026, 0.3009,
0.3380

 11.7691, 0.2799,
0.3541

297.5635, 0.3016,
0.3374

 6.5867, 0.2729,
0.3596

354.3380, 0.3022,

 3.2050, 0.2620,

0.3369

417.9103, 0.3028,
0.3365

0.3681

1.2397, 0.2428,
0.3835

0.0937, 0.0000,
1.0000

78.1467, 0.2953,
0.3422

78.1467, 0.2953,
0.3422

74.7570, 0.2851,
0.3515

82.0656, 0.3061,
0.3337

71.8633, 0.2759,
0.3617


86.5260, 0.3172,
0.3261

69.4433, 0.2678,
0.3726

88.5686, 0.3182,
0.3189

67.4696, 0.2612,
0.3841


89.0402, 0.3136,
0.3118


 65.9115, 0.2564,
0.3960

 89.0460, 0.3135,
0.3117

 64.7345, 0.2536,
0.4081

 63.8983, 0.2528,
0.4203

 63.3530, 0.2539,
0.4323

 63.1849, 0.2547,
0.4370

Harmonies

Analogous

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



78.1467, 0.3118, 0.3546



78.1467, 0.2953, 0.3422



78.1467, 0.2836, 0.3262

Triad

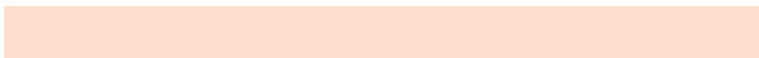
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1467, 0.2953, 0.3422



78.1467, 0.2962, 0.3000



78.1467, 0.3470, 0.3450

Complementary

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



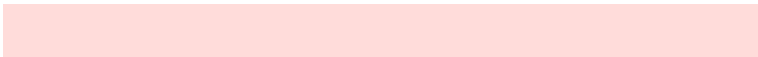
78.1467, 0.2953, 0.3422



63.5675, 0.3338, 0.3162

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.



78.1467, 0.3426, 0.3306



78.1467, 0.2953, 0.3422



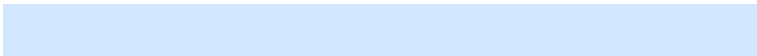
78.1467, 0.3129, 0.3052

Square

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



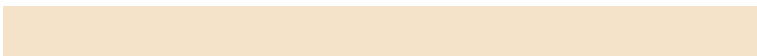
78.1467, 0.2953, 0.3422



78.1467, 0.2841, 0.3022



78.1467, 0.3300, 0.3162



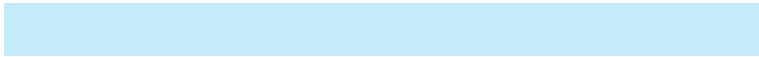
78.1467, 0.3418, 0.3558

Rectangle

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



78.1467, 0.2953, 0.3422



78.1467, 0.2800, 0.3161



78.1467, 0.3300, 0.3162



78.1467, 0.3466, 0.3404

Sweetspot

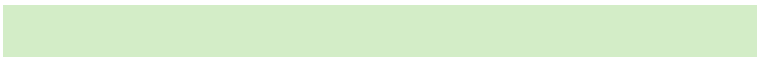
The Sweet Spot groups the original color and five complimentary colors.



78.1500, 0.2953, 0.3422



97.4053, 0.3072, 0.3329



78.5475, 0.3188, 0.3711



20.7735, 0.3064, 0.3335



0.0000, 0.0000, 0.0000



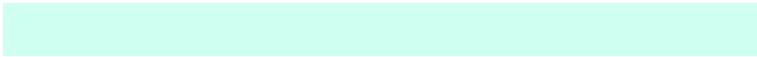
21.4041, 0.3127, 0.3290

Same Dimension

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



78.1500, 0.2953, 0.3422



90.9957, 0.2921, 0.3450



74.8738, 0.2881, 0.3213



17.0364, 0.3023, 0.3365



34.5228, 0.2542, 0.4350



2.7281, 0.2496, 0.4185

Inverse Universe

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



63.5675, 0.3338, 0.3162



70.9323, 0.3387, 0.3136



66.2667, 0.3419, 0.3366



15.1323, 0.3243, 0.3216



10.1259, 0.5704, 0.2916



0.8120, 0.5312, 0.2700

Previews

White Background



This preview shows how the Yxy color 78.1467, 0.2953, 0.3422 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 78.1467, 0.2953, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

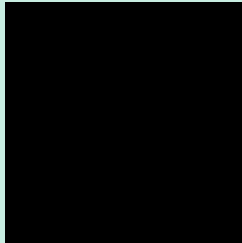
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

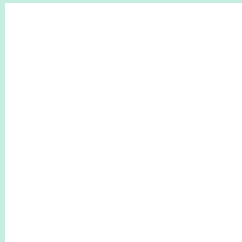
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1467, 0.2953, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 78.1467, 0.2953, 0.3422.

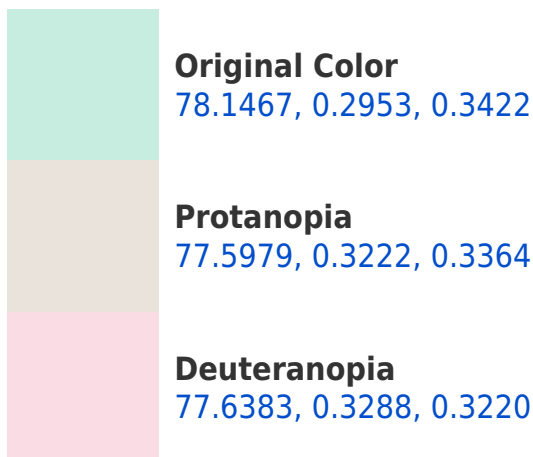


This preview shows how white text looks on a background with the Yxy color 78.1467, 0.2953, 0.3422.

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

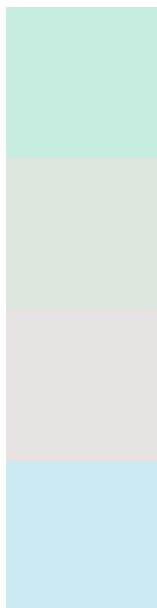




Tritanopia

78.1435, 0.2829, 0.3087

Trichromacy



Original Color

78.1467, 0.2953, 0.3422

Protanomaly

77.7979, 0.3116, 0.3387

Deuteranomaly

77.4731, 0.3155, 0.3290

Tritanomaly

77.8130, 0.2873, 0.3203

Monochromacy



Original Color

78.1467, 0.2953, 0.3422

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.8675, 0.3063, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1467, 0.2953, 0.3422 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, 237, 225)` looks like.

```
.text, #text, p{  
    color:rgb(199, 237, 225)  
}
```

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, 237, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 237, 225) }
```

Border

The CSS property to change the border of an element to Yxy 78.1467, 0.2953, 0.3422 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, 237, 225) }
```

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

```
.border{ border-color:rgb(199, 237, 225) }
```

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

Here you see how a box with a 4 pixel rgb(199, 237, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 237, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 237, 225);  
box-shadow:4px 4px 4px 4px rgb(199, 237,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1467, 0.2953, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 237, 225) }
```

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

```
.background{ background-color: rgb(199,  
237, 225) }
```

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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