

Converting Colors

$Yxy(78.5789, 0.2871, 0.3378)$

Have a look what the booklet for
Yxy(78.5789, 0.2871, 0.3378)
contains.

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Color

Yxy(78.5789, 0.2871, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	BFEFE7
RGB	191, 239, 231
RGB Percent	75%, 94%, 91%
CMY	0.2508, 0.0628, 0.0941
CMYK	0.20, 0.00, 0.03, 0.06
HSL	170°, 60%, 84%
HSV	170°, 20%, 94%
XYZ	66.7851, 78.5789, 87.2556
YIQ	223.7360, -26.0400, -12.6640

Conversions

Conversions Part 2

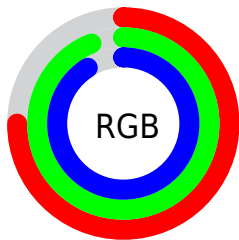
Format	Color
R_{YB}	191, 217, 239
Decimal	12578791
CIE _{Lab}	91.04, -16.88, -1.21
CIE _{LCh}	91, 16.925, 184.106
Yxy	78.5789, 0.2871, 0.3378
Android (android.graphics.Color)	4290768871 (0xFFBF _E FE7)
YUV	223.7360, 3.5812, -28.7095
Hunter-Lab	88.6447, -20.6461, 3.6904

Details

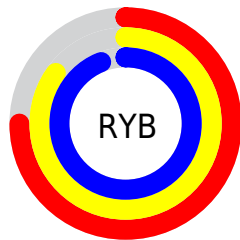
The Yxy color **78.5789, 0.2871, 0.3378** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.7556, 0.3461, 0.3204**, and the grayscale version is **74.3387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **42.2805, 0.2818, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **75.5090, 0.2756, 0.3428**, and if you desaturate by 10%, it is **82.1660, 0.2996, 0.3332**.

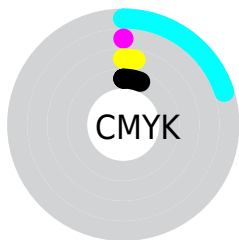
Distribution



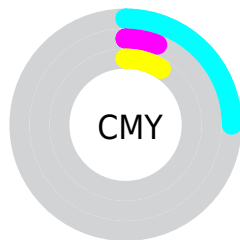
- Red (75%)
- Green (94%)
- Blue (91%)



- Red (75%)
- Yellow (85%)
- Blue (94%)



- Cyan (20%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)





- Cyan (25%)
- Magenta (6%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5789, 0.2871, 0.3378 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 78.5789, 0.2871, 0.3378 by changing the saturation by 10% instead.


 78.5789, 0.2871,
0.3378

 78.5789, 0.2871,
0.3378


490.1306, 0.2988,
0.3338

 58.5496, 0.2845,
0.3387


 131.3659, 0.2911,
0.3364

 42.2507, 0.2813,
0.3398


164.8924, 0.2927,
0.3359

 29.2976, 0.2772,
0.3411


203.6868, 0.2940,
0.3355

 19.3061, 0.2720,
0.3428

248.1334, 0.2952,
0.3350

 11.8917, 0.2650,
0.3451

298.6167, 0.2963,
0.3347

 6.6700, 0.2551,
0.3484

355.5211, 0.2972,

 3.2566, 0.2400,

0.3344

419.2309, 0.2980,
0.3341

0.3531

1.2671, 0.2138,
0.3613

0.1155, 0.0000,
0.3543

78.5789, 0.2871,
0.3378

78.5789, 0.2871,
0.3378

75.5090, 0.2756,
0.3428

82.1660, 0.2996,
0.3332

72.9220, 0.2652,
0.3481

86.2835, 0.3126,
0.3290


70.7947, 0.2564,
0.3537

89.4578, 0.3209,
0.3252


69.0979, 0.2493,
0.3596


89.7008, 0.3184,
0.3213

 67.7992, 0.2441,
0.3655


 89.9490, 0.3159,
0.3175

 66.8614, 0.2409,
0.3716

 90.2025, 0.3135,
0.3137

 66.2403, 0.2396,
0.3776

 90.2099, 0.3134,
0.3136

 65.8628, 0.2399,
0.3835

Harmonies

Analogous

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



78.5789, 0.3045, 0.3543



78.5789, 0.2871, 0.3378



78.5789, 0.2766, 0.3193

Triad

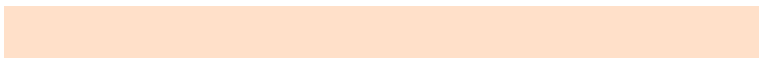
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5789, 0.2871, 0.3378



78.5789, 0.3001, 0.2970



78.5789, 0.3513, 0.3524

Complementary

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



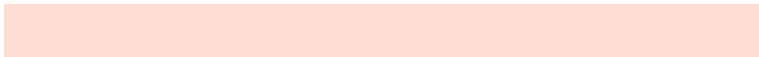
78.5789, 0.2871, 0.3378



59.7556, 0.3461, 0.3204

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.



78.5789, 0.3502, 0.3368



78.5789, 0.2871, 0.3378



78.5789, 0.3201, 0.3056

Square

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



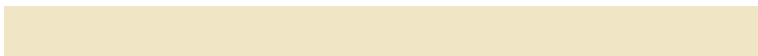
78.5789, 0.2871, 0.3378



78.5789, 0.2839, 0.2964



78.5789, 0.3386, 0.3199



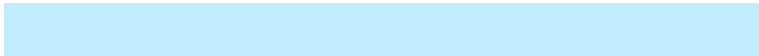
78.5789, 0.3417, 0.3624

Rectangle

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



78.5789, 0.2871, 0.3378



78.5789, 0.2748, 0.3086



78.5789, 0.3386, 0.3199



78.5789, 0.3522, 0.3476

Sweetspot

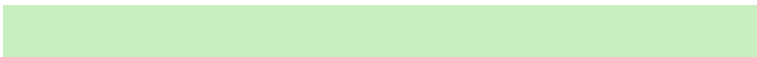
The Sweet Spot groups the original color and five complimentary colors.



78.5821, 0.2871, 0.3378



97.0498, 0.3048, 0.3315



77.6405, 0.3154, 0.3836



20.7069, 0.3039, 0.3317



0.0000, 0.0000, 0.0000



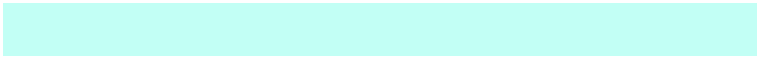
21.4041, 0.3127, 0.3290

Same Dimension

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



78.5821, 0.2871, 0.3378



89.5439, 0.2823, 0.3398



70.0951, 0.2816, 0.3110



17.8811, 0.3003, 0.3330



36.4160, 0.2396, 0.3825



3.0414, 0.2374, 0.3746

Inverse Universe

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



59.7556, 0.3461, 0.3204



64.1137, 0.3547, 0.3186



66.7524, 0.3493, 0.3464



15.8018, 0.3267, 0.3251



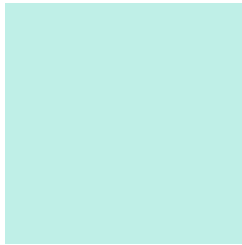
10.2377, 0.6157, 0.3165



0.8641, 0.5824, 0.2982

Previews

White Background



This preview shows how the Yxy color 78.5789, 0.2871, 0.3378 looks on a white background.

Color Contrast Check

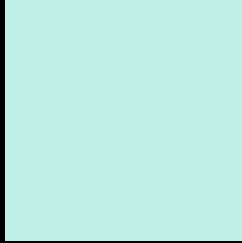
Large Text (above 18pt) WCAG AA × Fail

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 78.5789, 0.2871, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

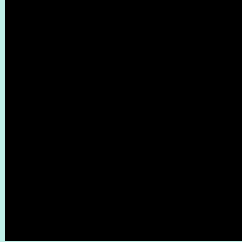
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

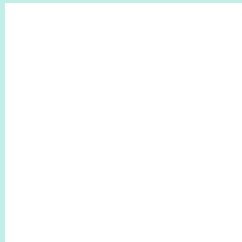
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5789, 0.2871, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 78.5789, 0.2871, 0.3378.

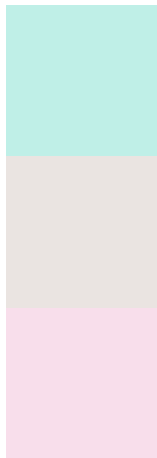


This preview shows how white text looks on a background with the Yxy color 78.5789, 0.2871, 0.3378.

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

78.5789, 0.2871, 0.3378

Protanopia

78.4155, 0.3188, 0.3322

Deuteranopia

78.1972, 0.3225, 0.3159



Tritanopia

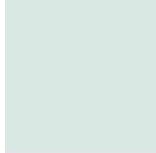
78.3082, 0.2772, 0.3085

Trichromacy



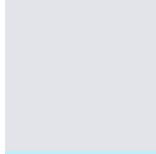
Original Color

78.5789, 0.2871, 0.3378



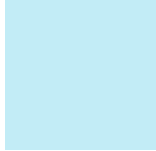
Protanomaly

78.1647, 0.3064, 0.3343



Deuteranomaly

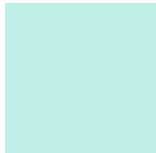
77.7582, 0.3082, 0.3227



Tritanomaly

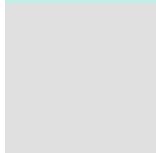
78.1141, 0.2804, 0.3180

Monochromacy



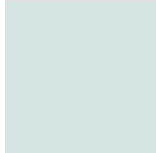
Original Color

78.5789, 0.2871, 0.3378



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

75.5817, 0.3025, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5789, 0.2871, 0.3378 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(191, 239, 231)` looks like.

```
.text, #text, p{  
    color:rgb(191, 239, 231)  
}
```

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(191, 239, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 239, 231) }
```

Border

The CSS property to change the border of an element to Yxy 78.5789, 0.2871, 0.3378 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(191, 239, 231) }
```

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

```
.border{ border-color:rgb(191, 239, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 239, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 239, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 239, 231);  
box-shadow:4px 4px 4px 4px rgb(191, 239,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5789, 0.2871, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 239, 231) }
```

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

```
.background{ background-color: rgb(191,  
239, 231) }
```

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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