

Converting Colors

$Y_{xy}(72.1589, 0.2885, 0.3440)$

Have a look what the booklet for
Yxy(72.1589, 0.2885, 0.3440)
contains.

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Color

Yxy(72.1589, 0.2885, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	B6E7DA
RGB	182, 231, 218
RGB Percent	71%, 91%, 85%
CMY	0.2865, 0.0941, 0.1450
CMYK	0.21, 0.00, 0.06, 0.09
HSL	164°, 51%, 81%
HSV	164°, 21%, 91%
XYZ	60.5170, 72.1589, 77.0884
YIQ	214.8670, -25.0310, -14.4310

Conversions

Conversions Part 2

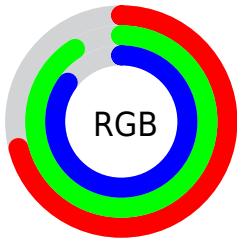
Format	Color
RYB	182, 210, 231
Decimal	11986906
CIELab	88.05, -18.32, 1.13
CIELCh	88, 18.359, 176.459
Yxy	72.1589, 0.2885, 0.3440
Android (android.graphics.Color)	4290176986 (0xFFB6E7DA)
YUV	214.8670, 1.5446, -28.8244
Hunter-Lab	84.9464, -21.4903, 5.6571

Details

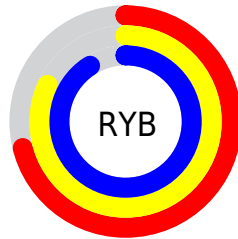
The Yxy color **72.1589, 0.2885, 0.3440** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.3655, 0.3444, 0.3146**, and the grayscale version is **67.8596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **37.8935, 0.2828, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **69.2640, 0.2782, 0.3521**, and if you desaturate by 10%, it is **75.5355, 0.2996, 0.3366**.

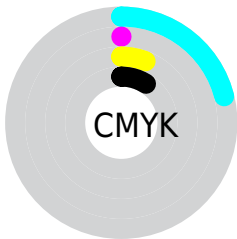
Distribution



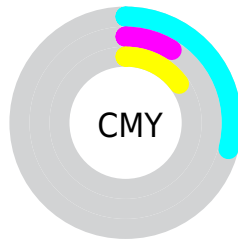
- Red (71%)
- Green (91%)
- Blue (85%)



- Red (71%)
- Yellow (82%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (29%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1589, 0.2885, 0.3440 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 72.1589, 0.2885, 0.3440 by changing the saturation by 10% instead.


 72.1589, 0.2885,
0.3440

 72.1589, 0.2885,
0.3440

468.0945, 0.2997,
0.3370

 53.2885, 0.2859,
0.3456


 122.2824, 0.2924,
0.3416

 38.0331, 0.2827,
0.3476


154.3043, 0.2939,
0.3406

 26.0084, 0.2787,
0.3501


191.4788, 0.2952,
0.3398

 16.8299, 0.2734,
0.3535

234.1904, 0.2964,
0.3391

 10.1133, 0.2662,
0.3580

282.8233, 0.2974,
0.3385

 5.4741, 0.2557,
0.3647

337.7620, 0.2982,

 2.5281, 0.2391,

0.3379

399.3910, 0.2990,
0.3375

0.3754

0.8906, 0.1831,
0.4085

0.0000, 0.0000,
0.0000

72.1589, 0.2885,
0.3440

72.1589, 0.2885,
0.3440

69.2640, 0.2782,
0.3521

75.5355, 0.2996,
0.3366

66.8190, 0.2690,
0.3609

79.4060, 0.3113,
0.3298

64.8021, 0.2612,
0.3701

83.7936, 0.3232,
0.3237

63.1861, 0.2551,
0.3798

84.8586, 0.3218,
0.3178

■ 61.9405, 0.2509,
0.3897

■ 85.2331, 0.3179,
0.3119

■ 61.0306, 0.2487,
0.3997

■ 85.6199, 0.3140,
0.3061

■ 60.4147, 0.2484,
0.4097

■ 85.6387, 0.3138,
0.3058

■ 60.0566, 0.2495,
0.4183

Harmonies

Analogous

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



72.1589, 0.3091, 0.3609



72.1589, 0.2885, 0.3440



72.1589, 0.2746, 0.3232

Triad

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



72.1589, 0.2885, 0.3440



72.1589, 0.2934, 0.2924



72.1589, 0.3567, 0.3509

Complementary

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



72.1589, 0.2885, 0.3440



54.3655, 0.3444, 0.3146

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.



72.1589, 0.3523, 0.3327



72.1589, 0.2885, 0.3440



72.1589, 0.3151, 0.2998

Square

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



72.1589, 0.2885, 0.3440



72.1589, 0.2774, 0.2940



72.1589, 0.3369, 0.3143



72.1589, 0.3488, 0.3642

Rectangle

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



72.1589, 0.2885, 0.3440



72.1589, 0.2707, 0.3104



72.1589, 0.3369, 0.3143



72.1589, 0.3566, 0.3452

Sweetspot

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



72.1619, 0.2885, 0.3440



96.9548, 0.3056, 0.3329



72.1412, 0.3189, 0.3864



20.6844, 0.3049, 0.3334



0.0000, 0.0000, 0.0000



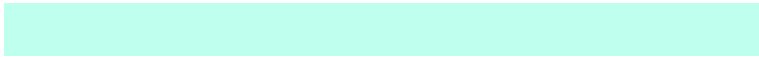
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1619, 0.2885, 0.3440



88.8096, 0.2844, 0.3471



66.6684, 0.2802, 0.3156



16.2679, 0.3017, 0.3353



33.6861, 0.2491, 0.4168



2.5044, 0.2451, 0.4023

Inverse Universe

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



54.3655, 0.3444, 0.3146



63.1907, 0.3519, 0.3117



58.6842, 0.3529, 0.3420



14.4303, 0.3251, 0.3228



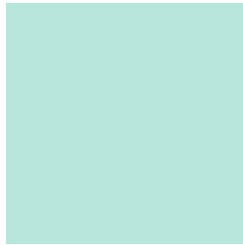
9.7314, 0.5877, 0.3011



0.7342, 0.5461, 0.2782

Previews

White Background



This preview shows how the Yxy color 72.1589, 0.2885, 0.3440 looks on a white background.

Color Contrast Check

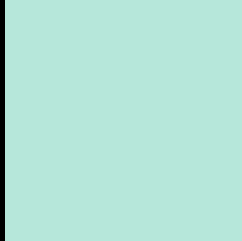
Large Text (above 18pt) WCAG AA × Fail

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 72.1589, 0.2885, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

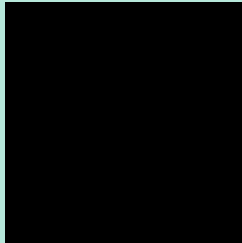
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

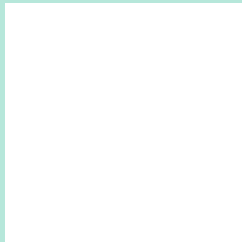
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.1589, 0.2885, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 72.1589, 0.2885, 0.3440.

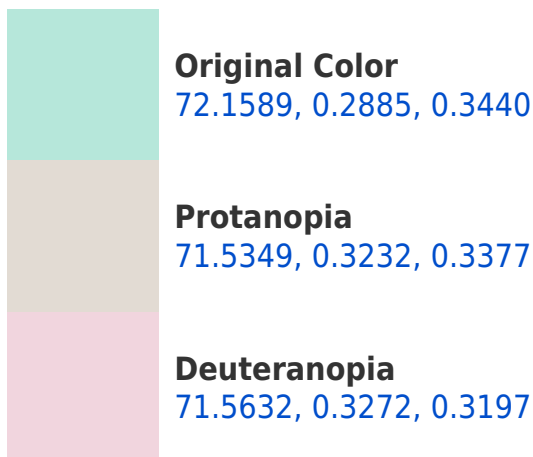


This preview shows how white text looks on a background with the Yxy color 72.1589, 0.2885, 0.3440.

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

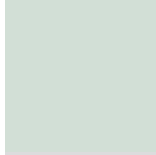
72.0955, 0.2761, 0.3088

Trichromacy



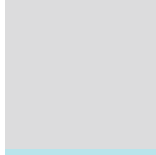
Original Color

72.1589, 0.2885, 0.3440



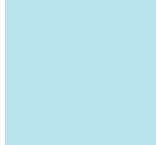
Protanomaly

71.3320, 0.3094, 0.3390



Deuteranomaly

71.6225, 0.3121, 0.3279



Tritanomaly

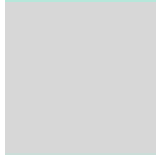
71.7993, 0.2805, 0.3210

Monochromacy



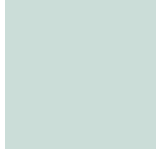
Original Color

72.1589, 0.2885, 0.3440



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

69.3673, 0.3033, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1589, 0.2885, 0.3440 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(182, 231, 218)` looks like.

```
.text, #text, p{  
    color:rgb(182, 231, 218)  
}
```

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(182, 231, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 231, 218) }
```

Border

The CSS property to change the border of an element to Yxy 72.1589, 0.2885, 0.3440 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(182, 231, 218) }
```

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

```
.border{ border-color:rgb(182, 231, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 231, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 231, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 231, 218);  
box-shadow:4px 4px 4px 4px rgb(182, 231,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1589, 0.2885, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 231, 218) }
```

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

```
.background{ background-color: rgb(182,  
231, 218) }
```

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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