

Converting Colors

$Yxy(77.5401, 0.2841, 0.3356)$

Have a look what the booklet for
Yxy(77.5401, 0.2841, 0.3356)
contains.

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Color

Yxy(77.5401, 0.2841, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	BBEEE8
RGB	187, 238, 232
RGB Percent	73%, 93%, 91%
CMY	0.2666, 0.0667, 0.0901
CMYK	0.21, 0.00, 0.03, 0.07
HSL	173°, 60%, 83%
HSV	173°, 21%, 93%
XYZ	65.6411, 77.5401, 87.8680
YIQ	222.0670, -28.4700, -12.6780

Conversions

Conversions Part 2

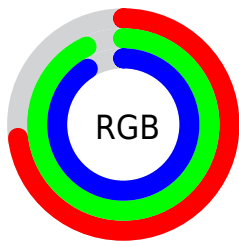
Format	Color
RYB	187, 214, 238
Decimal	12316392
CIELab	90.57, -17.39, -2.46
CIELCh	91, 17.566, 188.058
Yxy	77.5401, 0.2841, 0.3356
Android (android.graphics.Color)	4290506472 (0xFFBBEEE8)
YUV	222.0670, 4.8970, -30.7538
Hunter-Lab	88.0569, -21.0385, 2.4770

Details

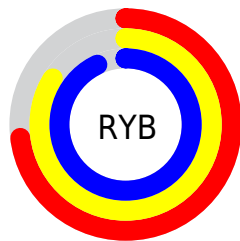
The Yxy color **77.5401, 0.2841, 0.3356** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.5801, 0.3510, 0.3226**, and the grayscale version is **73.0829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **41.5770, 0.2781, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **74.6283, 0.2722, 0.3391**, and if you desaturate by 10%, it is **80.9582, 0.2971, 0.3324**.

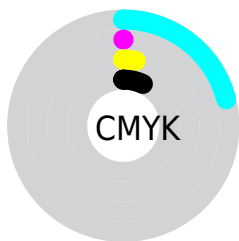
Distribution



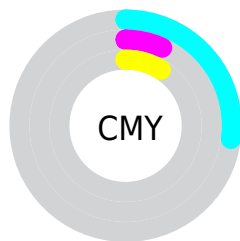
- Red (73%)
- Green (93%)
- Blue (91%)



- Red (73%)
- Yellow (84%)
- Blue (93%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (27%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5401, 0.2841, 0.3356 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 77.5401, 0.2841, 0.3356 by changing the saturation by 10% instead.

 77.5401, 0.2841,
0.3356

 77.5401, 0.2841,
0.3356


486.6035, 0.2971,
0.3327

 57.6963, 0.2812,
0.3362


 129.9016, 0.2886,
0.3346

 41.5645, 0.2776,
0.3370


163.1881, 0.2903,
0.3342

 28.7604, 0.2731,
0.3380


201.7242, 0.2918,
0.3339

 18.8997, 0.2672,
0.3392

245.8944, 0.2932,
0.3336

 11.5978, 0.2594,
0.3408

296.0830, 0.2943,
0.3333

 6.4704, 0.2483,
0.3429

352.6745, 0.2954,

 3.1332, 0.2315,

0.3331

0.3459

416.0532, 0.2963,
0.3329

1.2017, 0.2010,
0.3513

0.0631, 0.0000,
0.2075

77.5401, 0.2841,
0.3356

77.5401, 0.2841,
0.3356

74.6283, 0.2722,
0.3391

80.9582, 0.2971,
0.3324

72.1888, 0.2616,
0.3428


84.8959, 0.3107,
0.3294


70.1982, 0.2526,
0.3467


88.7217, 0.3226,
0.3267


68.6273, 0.2453,
0.3507

88.8891, 0.3208,
0.3240

 67.4434, 0.2400,
0.3548

 89.0591, 0.3191,
0.3213

 66.6091, 0.2367,
0.3590

 89.2316, 0.3173,
0.3186

 66.0794, 0.2352,
0.3630

 89.4067, 0.3156,
0.3159

 65.8057, 0.2351,
0.3665

 89.5844, 0.3139,
0.3133

 89.6272, 0.3135,
0.3127

Harmonies

Analogous

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



77.5401, 0.3015, 0.3535



77.5401, 0.2841, 0.3356



77.5401, 0.2744, 0.3164

Triad

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



77.5401, 0.2841, 0.3356



77.5401, 0.3022, 0.2965



77.5401, 0.3522, 0.3551

Complementary

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



77.5401, 0.2841, 0.3356



57.5801, 0.3510, 0.3226

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.



77.5401, 0.3526, 0.3394



77.5401, 0.2841, 0.3356



77.5401, 0.3232, 0.3063

Square

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



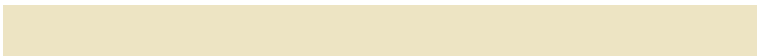
77.5401, 0.2841, 0.3356



77.5401, 0.2846, 0.2946



77.5401, 0.3419, 0.3217



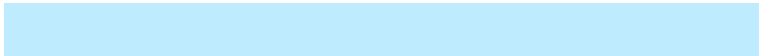
77.5401, 0.3409, 0.3645

Rectangle

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



77.5401, 0.2841, 0.3356



77.5401, 0.2734, 0.3058



77.5401, 0.3419, 0.3217



77.5401, 0.3536, 0.3504

Sweetspot

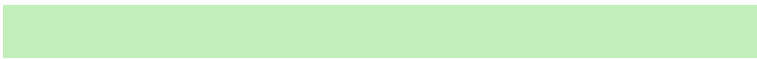
The Sweet Spot groups the original color and five complimentary colors.



77.5433, 0.2841, 0.3356



97.0979, 0.3044, 0.3307



76.1825, 0.3144, 0.3879



20.7183, 0.3035, 0.3309



0.0000, 0.0000, 0.0000



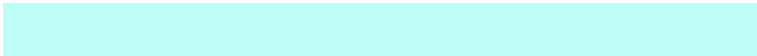
21.4041, 0.3127, 0.3290

Same Dimension

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



77.5433, 0.2841, 0.3356



89.0302, 0.2784, 0.3372



67.5657, 0.2793, 0.3077



17.8952, 0.2997, 0.3318



36.7267, 0.2350, 0.3659



3.0643, 0.2335, 0.3605

Inverse Universe

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



57.5801, 0.3510, 0.3226



61.5332, 0.3621, 0.3211



65.7724, 0.3519, 0.3494



15.7890, 0.3275, 0.3263



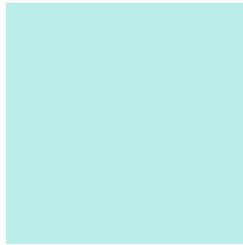
10.1971, 0.6256, 0.3220



0.8580, 0.5980, 0.3068

Previews

White Background



This preview shows how the Yxy color 77.5401, 0.2841, 0.3356 looks on a white background.

Color Contrast Check

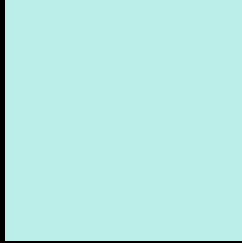
Large Text (above 18pt) WCAG AA × Fail

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 77.5401, 0.2841, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

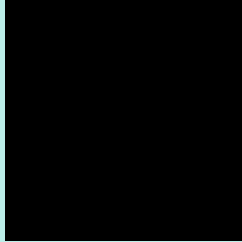
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

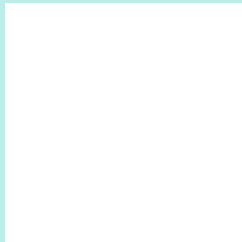
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5401, 0.2841, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 77.5401, 0.2841, 0.3356.

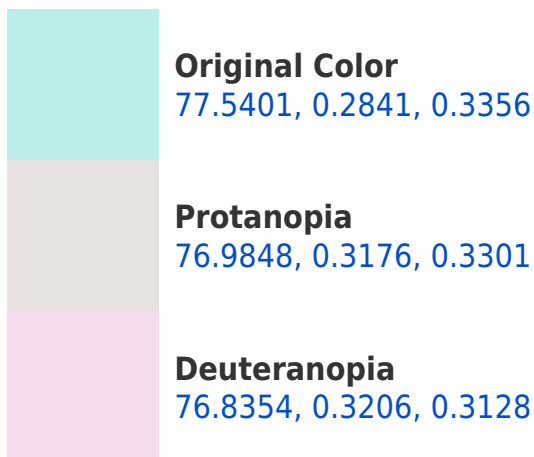


This preview shows how white text looks on a background with the Yxy color 77.5401, 0.2841, 0.3356.

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

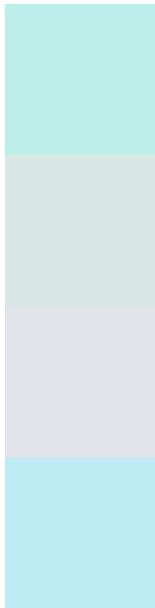




Tritanopia

77.5849, 0.2748, 0.3094

Trichromacy



Original Color

77.5401, 0.2841, 0.3356

Protanomaly

76.7940, 0.3045, 0.3311

Deuteranomaly

76.9439, 0.3063, 0.3206

Tritanomaly

77.5306, 0.2786, 0.3190

Monochromacy



Original Color

77.5401, 0.2841, 0.3356

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.5331, 0.3011, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5401, 0.2841, 0.3356 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(187, 238, 232)` looks like.

```
.text, #text, p{  
    color:rgb(187, 238, 232)  
}
```

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(187, 238, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 238, 232) }
```

Border

The CSS property to change the border of an element to Yxy 77.5401, 0.2841, 0.3356 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(187, 238, 232) }
```

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

```
.border{ border-color:rgb(187, 238, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 238, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 238, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 238, 232);  
box-shadow:4px 4px 4px 4px rgb(187, 238,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5401, 0.2841, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 238, 232) }
```

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

```
.background{ background-color: rgb(187,  
238, 232) }
```

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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