

Converting Colors

$Yxy(72.6816, 0.2841, 0.3342)$

Have a look what the booklet for
Yxy(72.6816, 0.2841, 0.3342)
contains.

Yxy(72.7101, 0.2846, 0.3347)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.7101, 0.2846, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	B7E7E2
RGB	183, 231, 226
RGB Percent	72%, 91%, 89%
CMY	0.2824, 0.0941, 0.1139
CMYK	0.21, 0.00, 0.02, 0.09
HSL	174°, 50%, 81%
HSV	174°, 21%, 91%
XYZ	61.8264, 72.7101, 82.7031
YIQ	216.0780, -27.0030, -11.7310

Conversions

Conversions Part 2

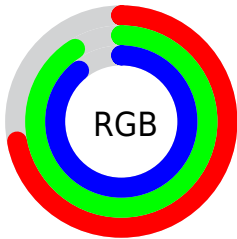
Format	Color
RYB	183, 208, 231
Decimal	12052450
CIELab	88.31, -16.38, -2.64
CIElCh	88, 16.593, 189.145
Yxy	72.7101, 0.2846, 0.3347
Android (android.graphics.Color)	4290242530 (0xFFB7E7E2)
YUV	216.0780, 4.8915, -29.0094
Hunter-Lab	85.2702, -19.7989, 2.1841

Details

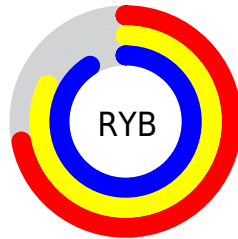
The Yxy color **72.7101, 0.2846, 0.3347** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.4869, 0.3501, 0.3234**, and the grayscale version is **68.7045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **38.2673, 0.2778, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **69.9769, 0.2725, 0.3378**, and if you desaturate by 10%, it is **75.9160, 0.2977, 0.3318**.

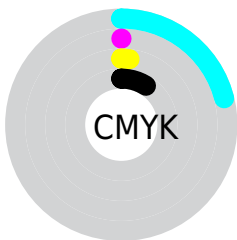
Distribution



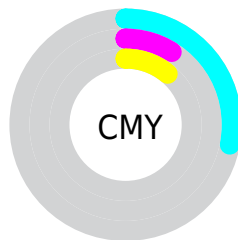
- Red (72%)
- Green (91%)
- Blue (89%)



- Red (72%)
- Yellow (82%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)





- Cyan (28%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7101, 0.2846, 0.3347 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 72.7101, 0.2846, 0.3347 by changing the saturation by 10% instead.


 72.7101, 0.2846,
0.3347

 72.7101, 0.2846,
0.3347


470.0094, 0.2975,
0.3322

 53.7389, 0.2817,
0.3353


 123.0656, 0.2891,
0.3338

 38.3930, 0.2780,
0.3359


155.2187, 0.2908,
0.3335

 26.2878, 0.2734,
0.3368


192.5346, 0.2923,
0.3332

 17.0391, 0.2675,
0.3378

235.3976, 0.2936,
0.3329

 10.2624, 0.2593,
0.3392

284.1922, 0.2948,
0.3327

 5.5733, 0.2477,
0.3411

339.3028, 0.2958,

 2.5874, 0.2297,

0.3325

401.1138, 0.2967,
0.3323

0.3437

0.9203, 0.1826,
0.3542

0.0000, 0.0000,
0.0000

72.7101, 0.2846,
0.3347

72.7101, 0.2846,
0.3347

69.9769, 0.2725,
0.3378

75.9160, 0.2977,
0.3318

67.6848, 0.2617,
0.3411


79.6069, 0.3116,
0.3292

65.8123, 0.2525,
0.3446

83.8054, 0.3259,
0.3268

64.3324, 0.2450,
0.3481

84.4545, 0.3262,
0.3245


 63.2149, 0.2395,
0.3518

 84.5962, 0.3246,
0.3221


 62.4255, 0.2360,
0.3554

 84.7399, 0.3230,
0.3197

 61.9229, 0.2343,
0.3591

 84.8854, 0.3215,
0.3174

 61.6504, 0.2340,
0.3624

 85.0329, 0.3199,
0.3150

 85.1824, 0.3184,
0.3127

Harmonies

Analogous

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



72.7101, 0.3012, 0.3520



72.7101, 0.2846, 0.3347



72.7101, 0.2756, 0.3163

Triad

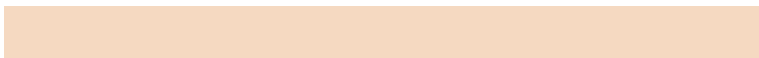
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7101, 0.2846, 0.3347



72.7101, 0.3033, 0.2978



72.7101, 0.3506, 0.3547

Complementary

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



72.7101, 0.2846, 0.3347



54.4869, 0.3501, 0.3234

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.



72.7101, 0.3514, 0.3397



72.7101, 0.2846, 0.3347



72.7101, 0.3236, 0.3075

Square

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



72.7101, 0.2846, 0.3347



72.7101, 0.2860, 0.2957



72.7101, 0.3414, 0.3226



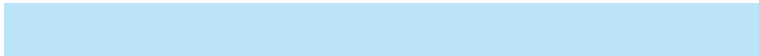
72.7101, 0.3394, 0.3635

Rectangle

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



72.7101, 0.2846, 0.3347



72.7101, 0.2748, 0.3062



72.7101, 0.3414, 0.3226



72.7101, 0.3521, 0.3502

Sweetspot

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



72.7131, 0.2846, 0.3347



97.1098, 0.3043, 0.3305



71.3431, 0.3138, 0.3859



20.7211, 0.3033, 0.3307



0.0000, 0.0000, 0.0000



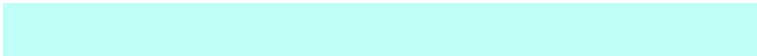
21.4041, 0.3127, 0.3290

Same Dimension

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



72.7131, 0.2846, 0.3347



89.4251, 0.2792, 0.3360



63.2257, 0.2803, 0.3074



16.3089, 0.2996, 0.3315



34.5697, 0.2338, 0.3618



2.5621, 0.2324, 0.3565

Inverse Universe

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



54.4869, 0.3501, 0.3234



62.7054, 0.3603, 0.3222



62.3689, 0.3503, 0.3496



14.3925, 0.3276, 0.3266



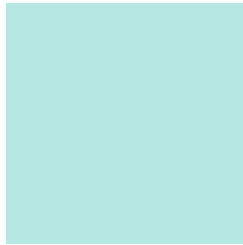
9.5704, 0.6274, 0.3230



0.7155, 0.5989, 0.3073

Previews

White Background



This preview shows how the Yxy color 72.7101, 0.2846, 0.3347 looks on a white background.

Color Contrast Check

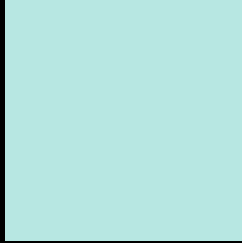
Large Text (above 18pt) WCAG AA × Fail

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 72.7101, 0.2846, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

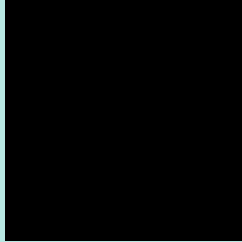
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

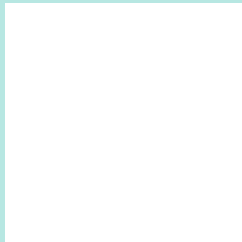
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7101, 0.2846, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 72.7101, 0.2846, 0.3347.



This preview shows how white text looks on a background with the Yxy color 72.7101, 0.2846, 0.3347.

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

72.7101, 0.2846, 0.3347

Protanopia

72.3613, 0.3163, 0.3290

Deuteranopia

72.1010, 0.3207, 0.3134



Tritanopia

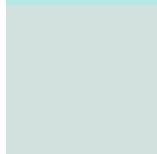
72.7054, 0.2756, 0.3089

Trichromacy



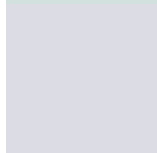
Original Color

72.7101, 0.2846, 0.3347



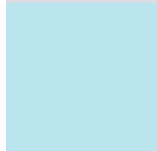
Protanomaly

72.2869, 0.3043, 0.3312



Deuteranomaly

71.8479, 0.3068, 0.3203



Tritanomaly

72.7097, 0.2790, 0.3177

Monochromacy



Original Color

72.7101, 0.2846, 0.3347



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

69.7176, 0.3015, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7101, 0.2846, 0.3347 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(183, 231, 226)` looks like.

```
.text, #text, p{  
    color:rgb(183, 231, 226)  
}
```

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(183, 231, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 231, 226) }
```

Border

The CSS property to change the border of an element to Yxy 72.7101, 0.2846, 0.3347 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(183, 231, 226) }
```

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

```
.border{ border-color:rgb(183, 231, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 231, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 231, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 231, 226);  
box-shadow:4px 4px 4px 4px rgb(183, 231,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7101, 0.2846, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 231, 226) }
```

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

```
.background{ background-color: rgb(183,  
231, 226) }
```

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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