

Converting Colors

$Yxy(69.1358, 0.2941, 0.3575)$

Have a look what the booklet for
Yxy(69.1358, 0.2941, 0.3575)
contains.

Yxy(69.3114, 0.2941, 0.3576)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.3114, 0.2941, 0.3576)

Conversions

Conversions Part 1

Format	Color
Hex	B2E4CC
RGB	178, 228, 204
RGB Percent	70%, 89%, 80%
CMY	0.3020, 0.1059, 0.1999
CMYK	0.22, 0.00, 0.11, 0.11
HSL	151°, 48%, 80%
HSV	151°, 22%, 89%
XYZ	57.0036, 69.3114, 67.5088
YIQ	210.3140, -22.0960, -18.0640

Conversions

Conversions Part 2

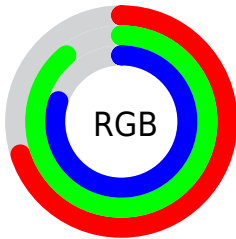
Format	Color
RYB	178, 211, 228
Decimal	11723980
CIELab	86.66, -20.84, 6.46
CIELCh	87, 21.813, 162.787
Yxy	69.3114, 0.2941, 0.3576
Android (android.graphics.Color)	4289914060 (0xFFB2E4CC)
YUV	210.3140, -3.1128, -28.3394
Hunter-Lab	83.2535, -23.4748, 10.2002

Details

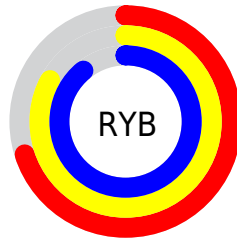
The Yxy color **69.3114, 0.2941, 0.3576** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.5994, 0.3364, 0.3021**, and the grayscale version is **64.6996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **35.9921, 0.2890, 0.3641** is the 20% darker color. If you saturate the color by 10%, you get **66.3309, 0.2863, 0.3729**, and if you desaturate by 10%, it is **72.7827, 0.3024, 0.3437**.

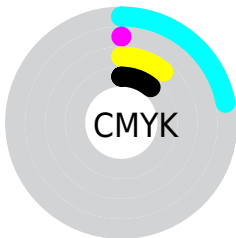
Distribution



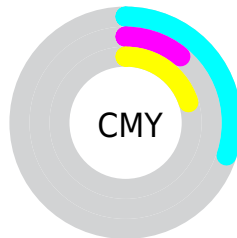
- Red (70%)
- Green (89%)
- Blue (80%)



- Red (70%)
- Yellow (83%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (30%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3114, 0.2941, 0.3576 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 69.3114, 0.2941, 0.3576 by changing the saturation by 10% instead.


 69.3114, 0.2941,
0.3576

 69.3114, 0.2941,
0.3576

458.1285, 0.3029,
0.3440

 50.9654, 0.2920,
0.3608

 118.2262, 0.2972,
0.3528

 36.1810, 0.2894,
0.3649


149.5638, 0.2984,
0.3509

 24.5740, 0.2861,
0.3701


186.0007, 0.2994,
0.3494

 15.7600, 0.2817,
0.3771

227.9213, 0.3003,
0.3480

 9.3545, 0.2755,
0.3869

275.7100, 0.3011,
0.3468

 4.9731, 0.2662,
0.4017


329.7511, 0.3018,

 2.2315, 0.2508,


0.3457


0.4267


390.4292, 0.3024,
0.3448


 0.7371, 0.1499,
0.5757


 0.0000, 0.0000,
0.0000


 69.3114, 0.2941,
0.3576


 69.3114, 0.2941,
0.3576


 66.3309, 0.2863,
0.3729


 72.7827, 0.3024,
0.3437


 63.8098, 0.2794,
0.3895

 76.7576, 0.3110,
0.3312

 61.7261, 0.2738,
0.4072

 81.2590, 0.3197,
0.3202

 60.0527, 0.2696,
0.4258

 83.5119, 0.3186,
0.3097

■ 58.7591, 0.2673,
0.4447

■ 83.9689, 0.3139,
0.3029

■ 57.8105, 0.2669,
0.4636

■ 57.1653, 0.2686,
0.4820

■ 56.8117, 0.2711,
0.4961

Harmonies

Analogous

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



69.3114, 0.3205, 0.3735



69.3114, 0.2941, 0.3576



69.3114, 0.2733, 0.3333

Triad

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



69.3114, 0.2941, 0.3576



69.3114, 0.2796, 0.2847



69.3114, 0.3652, 0.3454

Complementary

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



69.3114, 0.2941, 0.3576



52.5994, 0.3364, 0.3021

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.



69.3114, 0.3534, 0.3230



69.3114, 0.2941, 0.3576



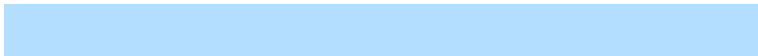
69.3114, 0.3031, 0.2889

Square

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



69.3114, 0.2941, 0.3576



69.3114, 0.2652, 0.2916



69.3114, 0.3303, 0.3027



69.3114, 0.3622, 0.3649

Rectangle

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



69.3114, 0.2941, 0.3576



69.3114, 0.2650, 0.3166



69.3114, 0.3303, 0.3027



69.3114, 0.3629, 0.3380

Sweetspot

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



69.3143, 0.2941, 0.3576



96.2310, 0.3066, 0.3374



71.2834, 0.3268, 0.3870



20.5312, 0.3061, 0.3382



0.0000, 0.0000, 0.0000



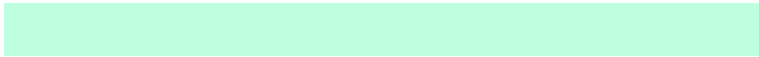
21.4041, 0.3127, 0.3290

Same Dimension

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



69.3143, 0.2941, 0.3576



87.6386, 0.2907, 0.3639



70.0981, 0.2801, 0.3279



16.2138, 0.3045, 0.3405



32.8280, 0.2704, 0.4934



2.4446, 0.2632, 0.4675

Inverse Universe

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



52.5994, 0.3364, 0.3021



62.7205, 0.3422, 0.2966



51.8827, 0.3570, 0.3301



14.4826, 0.3217, 0.3178



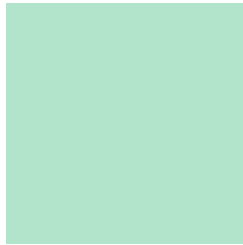
10.1903, 0.5040, 0.2550



0.7717, 0.4702, 0.2364

Previews

White Background



This preview shows how the Yxy color 69.3114, 0.2941, 0.3576 looks on a white background.

Color Contrast Check

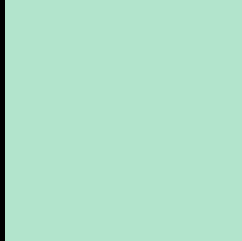
Large Text (above 18pt) WCAG AA × Fail

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 69.3114, 0.2941, 0.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

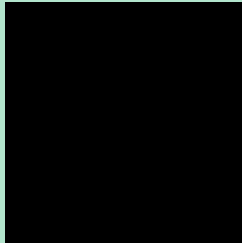
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

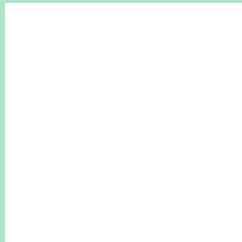
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.3114, 0.2941, 0.3576

Background



This preview shows how black text looks on a background with the Yxy color 69.3114, 0.2941, 0.3576.

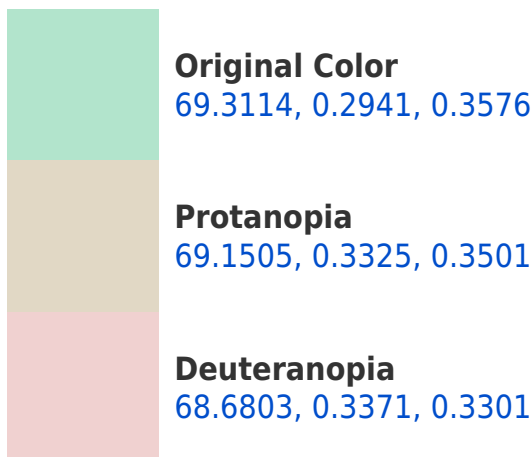


This preview shows how white text looks on a background with the Yxy color 69.3114, 0.2941, 0.3576.

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

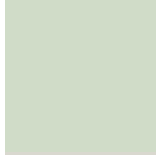
69.3809, 0.2773, 0.3097

Trichromacy



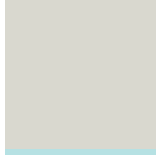
Original Color

69.3114, 0.2941, 0.3576



Protanomaly

68.7664, 0.3174, 0.3518



Deuteranomaly

68.3684, 0.3196, 0.3391



Tritanomaly

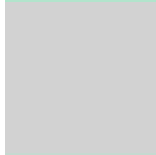
69.3416, 0.2830, 0.3266

Monochromacy



Original Color

69.3114, 0.2941, 0.3576



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.1855, 0.3051, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3114, 0.2941, 0.3576 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(178, 228, 204)` looks like.

```
.text, #text, p{  
    color:rgb(178, 228, 204)  
}
```

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(178, 228, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 228, 204) }
```

Border

The CSS property to change the border of an element to Yxy 69.3114, 0.2941, 0.3576 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(178, 228, 204) }
```

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

```
.border{ border-color:rgb(178, 228, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 228, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 228, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 228, 204);  
box-shadow:4px 4px 4px 4px rgb(178, 228,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3114, 0.2941, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 228, 204) }
```

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

```
.background{ background-color: rgb(178,  
228, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor