

Converting Colors

$Y_{xy}(72.2952, 0.2949, 0.3472)$

Have a look what the booklet for
Yxy(72.2952, 0.2949, 0.3472)
contains.

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Color

Yxy(72.2675, 0.2953, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	BDE6D6
RGB	189, 230, 214
RGB Percent	74%, 90%, 84%
CMY	0.2586, 0.0981, 0.1608
CMYK	0.18, 0.00, 0.07, 0.10
HSL	157°, 45%, 82%
HSV	157°, 18%, 90%
XYZ	61.4295, 72.2675, 74.3269
YIQ	215.9170, -19.3000, -13.6680

Conversions

Conversions Part 2

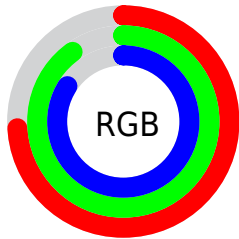
Format	Color
RYB	189, 214, 230
Decimal	12445398
CIELab	88.10, -16.40, 3.38
CIElCh	88, 16.742, 168.359
Yxy	72.2675, 0.2953, 0.3474
Android (android.graphics.Color)	4290635478 (0xFFBDE6D6)
YUV	215.9170, -0.9451, -23.6062
Hunter-Lab	85.0103, -19.7818, 7.6683

Details

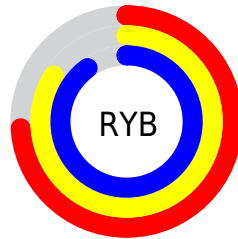
The Yxy color **72.2675, 0.2953, 0.3474** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.6495, 0.3341, 0.3113**, and the grayscale version is **68.6339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **37.9262, 0.2912, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **69.1112, 0.2862, 0.3593**, and if you desaturate by 10%, it is **75.9216, 0.3050, 0.3366**.

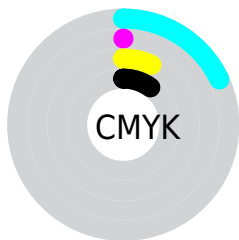
Distribution



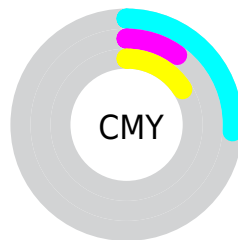
- Red (74%)
- Green (90%)
- Blue (84%)



- Red (74%)
- Yellow (84%)
- Blue (90%)



- Cyan (18%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)





- Cyan (26%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2675, 0.2953, 0.3474 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 72.2675, 0.2953, 0.3474 by changing the saturation by 10% instead.


 72.2675, 0.2953,
0.3474

 72.2675, 0.2953,
0.3474


468.4721, 0.3034,
0.3388

 53.3772, 0.2934,
0.3494


 122.4368, 0.2981,
0.3444

 38.1040, 0.2911,
0.3519


154.4845, 0.2992,
0.3432

 26.0634, 0.2881,
0.3551


191.6870, 0.3002,
0.3422

 16.8711, 0.2842,
0.3593

234.4284, 0.3010,
0.3413

 10.1426, 0.2789,
0.3652

283.0932, 0.3017,
0.3406

 5.4936, 0.2710,
0.3738

338.0659, 0.3024,

 2.5397, 0.2585,

0.3399

399.7307, 0.3029,
0.3393

0.3879

0.8964, 0.2163,
0.4293

0.0000, 0.0000,
0.0000

72.2675, 0.2953,
0.3474

72.2675, 0.2953,
0.3474

69.1112, 0.2862,
0.3593

75.9216, 0.3050,
0.3366

66.4212, 0.2779,
0.3722

80.0854, 0.3149,
0.3270

64.1766, 0.2708,
0.3860

84.1984, 0.3228,
0.3183

62.3510, 0.2652,
0.4006

84.7486, 0.3171,
0.3096

■ 60.9153, 0.2613,
0.4158

■ 85.0702, 0.3138,
0.3048

■ 59.8363, 0.2595,
0.4311

■ 59.0753, 0.2597,
0.4463

■ 58.5791, 0.2618,
0.4612

■ 58.4876, 0.2623,
0.4644

Harmonies

Analogous

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



72.2675, 0.3150, 0.3608



72.2675, 0.2953, 0.3474



72.2675, 0.2805, 0.3289

Triad

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



72.2675, 0.2953, 0.3474



72.2675, 0.2905, 0.2951



72.2675, 0.3528, 0.3449

Complementary

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



72.2675, 0.2953, 0.3474



57.6495, 0.3341, 0.3113

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.



72.2675, 0.3458, 0.3278



72.2675, 0.2953, 0.3474



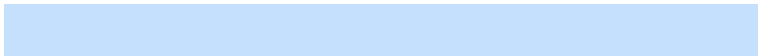
72.2675, 0.3094, 0.2997

Square

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



72.2675, 0.2953, 0.3474



72.2675, 0.2778, 0.2990



72.2675, 0.3298, 0.3115



72.2675, 0.3486, 0.3586

Rectangle

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



72.2675, 0.2953, 0.3474



72.2675, 0.2753, 0.3166



72.2675, 0.3298, 0.3115



72.2675, 0.3517, 0.3393

Sweetspot

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



72.2705, 0.2953, 0.3474



97.3448, 0.3077, 0.3338



73.3067, 0.3218, 0.3757



20.7588, 0.3070, 0.3345



0.0000, 0.0000, 0.0000



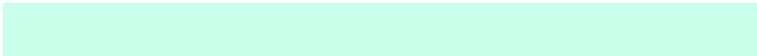
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2705, 0.2953, 0.3474



89.9450, 0.2922, 0.3512



70.8764, 0.2857, 0.3243



16.2360, 0.3033, 0.3383



33.1391, 0.2617, 0.4621



2.4670, 0.2557, 0.4404

Inverse Universe

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



57.6495, 0.3341, 0.3113



68.5373, 0.3390, 0.3079



58.7028, 0.3463, 0.3337



14.4608, 0.3231, 0.3199



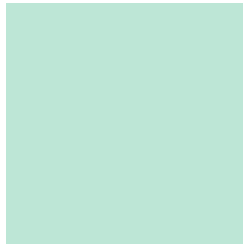
9.9632, 0.5410, 0.2754



0.7541, 0.5019, 0.2539

Previews

White Background



This preview shows how the Yxy color 72.2675, 0.2953, 0.3474 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 72.2675, 0.2953, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

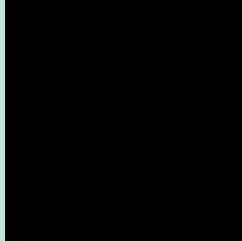
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

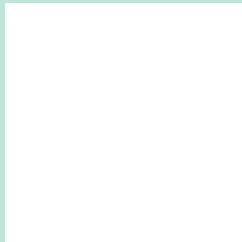
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2675, 0.2953, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 72.2675, 0.2953, 0.3474.

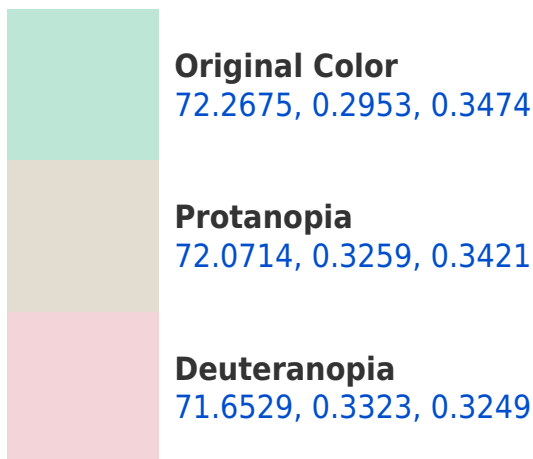


This preview shows how white text looks on a background with the Yxy color 72.2675, 0.2953, 0.3474.

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

72.3937, 0.2808, 0.3090

Trichromacy



Original Color

72.2675, 0.2953, 0.3474

Protanomaly

72.1106, 0.3141, 0.3446

Deuteranomaly

71.3089, 0.3176, 0.3323

Tritanomaly

72.0278, 0.2859, 0.3222

Monochromacy



Original Color

72.2675, 0.2953, 0.3474

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.7410, 0.3061, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2675, 0.2953, 0.3474 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(189, 230, 214)` looks like.

```
.text, #text, p{  
    color:rgb(189, 230, 214)  
}
```

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(189, 230, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 230, 214) }
```

Border

The CSS property to change the border of an element to Yxy 72.2675, 0.2953, 0.3474 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(189, 230, 214) }
```

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

```
.border{ border-color:rgb(189, 230, 214) }
```

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

Here you see how a box with a 4 pixel rgb(189, 230, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 230, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 230, 214);  
box-shadow:4px 4px 4px 4px rgb(189, 230,  
214) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.2675, 0.2953, 0.3474$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 230, 214) }
```

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

```
.background{ background-color: rgb(189,  
230, 214) }
```

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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