

Converting Colors

$Yxy(75.7639, 0.2961, 0.3493)$

Have a look what the booklet for
Yxy(75.7639, 0.2961, 0.3493)
contains.

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Color

Yxy(75.7639, 0.2961, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	C1EBD9
RGB	193, 235, 217
RGB Percent	76%, 92%, 85%
CMY	0.2432, 0.0784, 0.1488
CMYK	0.18, 0.00, 0.08, 0.08
HSL	154°, 51%, 84%
HSV	154°, 18%, 92%
XYZ	64.2247, 75.7639, 76.9135
YIQ	220.3900, -19.2540, -14.5020

Conversions

Conversions Part 2

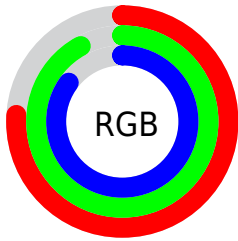
Format	Color
RYB	193, 220, 235
Decimal	12708825
CIELab	89.75, -17.06, 4.21
CIELCh	90, 17.571, 166.145
Yxy	75.7639, 0.2961, 0.3493
Android (android.graphics.Color)	4290898905 (0xFFC1EBD9)
YUV	220.3900, -1.6713, -24.0210
Hunter-Lab	87.0425, -20.6172, 8.5392

Details

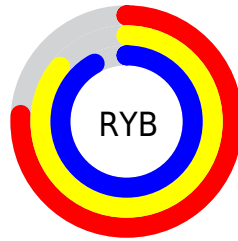
The Yxy color **75.7639, 0.2961, 0.3493** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.4931, 0.3330, 0.3096**, and the grayscale version is **71.8794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **40.3378, 0.2924, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **72.4134, 0.2874, 0.3624**, and if you desaturate by 10%, it is **79.6433, 0.3053, 0.3375**.

Distribution



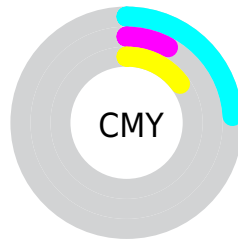
- Red (76%)
- Green (92%)
- Blue (85%)



- Red (76%)
- Yellow (86%)
- Blue (92%)



- Cyan (18%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)





- Cyan (24%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7639, 0.2961, 0.3493 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 75.7639, 0.2961, 0.3493 by changing the saturation by 10% instead.

 75.7639, 0.2961,
0.3493

 75.7639, 0.2961,
0.3493


480.5391, 0.3038,
0.3398

 56.2389, 0.2943,
0.3515

 127.3931, 0.2988,
0.3460

 40.3945, 0.2922,
0.3542


160.2661, 0.2998,
0.3447

 27.8463, 0.2894,
0.3576

198.3573, 0.3007,
0.3436

 18.2098, 0.2858,
0.3622


242.0510, 0.3015,
0.3427

 11.1007, 0.2808,
0.3684

291.7317, 0.3022,
0.3418

 6.1346, 0.2736,
0.3776

347.7836, 0.3028,

 2.9271, 0.2622,

0.3411

410.5913, 0.3033,
0.3404

0.3923

1.0938, 0.2358,
0.4233

0.0000, 0.0000,
0.0000

75.7639, 0.2961,
0.3493

75.7639, 0.2961,
0.3493

72.4134, 0.2874,
0.3624

79.6433, 0.3053,
0.3375

69.5586, 0.2796,
0.3766

84.0642, 0.3147,
0.3269

67.1771, 0.2728,
0.3919

87.4068, 0.3185,
0.3172

65.2409, 0.2675,
0.4081

87.9006, 0.3136,
0.3097

■ 63.7192, 0.2640,
0.4248

■ 62.5768, 0.2625,
0.4417

■ 61.7726, 0.2630,
0.4583

■ 61.2501, 0.2655,
0.4745

■ 61.1578, 0.2661,
0.4779

Harmonies

Analogous

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



75.7639, 0.3166, 0.3625



75.7639, 0.2961, 0.3493



75.7639, 0.2803, 0.3303

Triad

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



75.7639, 0.2961, 0.3493



75.7639, 0.2885, 0.2940



75.7639, 0.3540, 0.3441

Complementary

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



75.7639, 0.2961, 0.3493



60.4931, 0.3330, 0.3096

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.



75.7639, 0.3460, 0.3264



75.7639, 0.2961, 0.3493



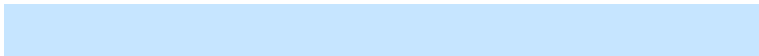
75.7639, 0.3077, 0.2982

Square

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



75.7639, 0.2961, 0.3493



75.7639, 0.2761, 0.2987



75.7639, 0.3288, 0.3099



75.7639, 0.3505, 0.3587

Rectangle

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



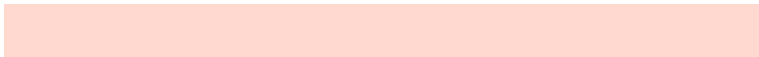
75.7639, 0.2961, 0.3493



75.7639, 0.2745, 0.3175



75.7639, 0.3288, 0.3099



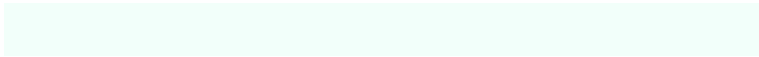
75.7639, 0.3526, 0.3383

Sweetspot

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



75.7671, 0.2961, 0.3493



97.3155, 0.3080, 0.3343



77.1468, 0.3228, 0.3759



20.7517, 0.3073, 0.3351



0.0000, 0.0000, 0.0000



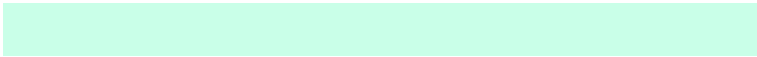
21.4041, 0.3127, 0.3290

Same Dimension

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



75.7671, 0.2961, 0.3493



89.8326, 0.2932, 0.3534



75.1616, 0.2856, 0.3258



17.0067, 0.3038, 0.3393



34.0609, 0.2654, 0.4753



2.6938, 0.2592, 0.4530

Inverse Universe

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



60.4931, 0.3330, 0.3096



68.6435, 0.3375, 0.3059



60.8927, 0.3468, 0.3322



15.1609, 0.3226, 0.3190



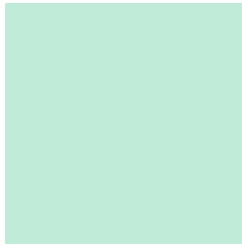
10.3710, 0.5262, 0.2672



0.8333, 0.4909, 0.2478

Previews

White Background



This preview shows how the Yxy color 75.7639, 0.2961, 0.3493 looks on a white background.

Color Contrast Check

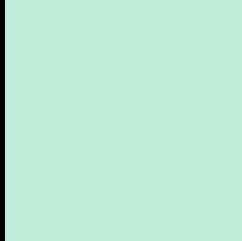
Large Text (above 18pt) WCAG AA × Fail

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 75.7639, 0.2961, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

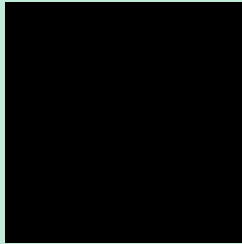
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

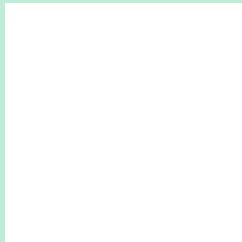
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7639, 0.2961, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 75.7639, 0.2961, 0.3493.

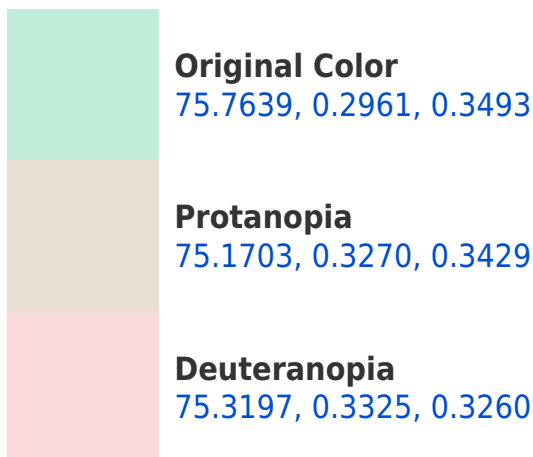


This preview shows how white text looks on a background with the Yxy color 75.7639, 0.2961, 0.3493.

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

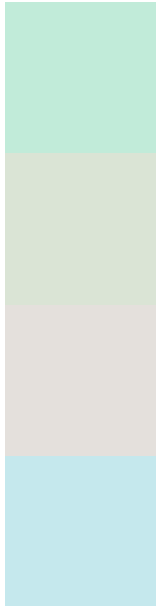




Tritanopia

75.5753, 0.2813, 0.3083

Trichromacy



Original Color

75.7639, 0.2961, 0.3493

Protanomaly

75.1963, 0.3154, 0.3454

Deuteranomaly

74.9726, 0.3182, 0.3333

Tritanomaly

75.6980, 0.2870, 0.3234

Monochromacy



Original Color

75.7639, 0.2961, 0.3493

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.6665, 0.3062, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7639, 0.2961, 0.3493 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(193, 235, 217)` looks like.

```
.text, #text, p{  
    color:rgb(193, 235, 217)  
}
```

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(193, 235, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 235, 217) }
```

Border

The CSS property to change the border of an element to Yxy 75.7639, 0.2961, 0.3493 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(193, 235, 217) }
```

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

```
.border{ border-color:rgb(193, 235, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 235, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 235, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 235, 217);  
box-shadow:4px 4px 4px 4px rgb(193, 235,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7639, 0.2961, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 235, 217) }
```

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

```
.background{ background-color: rgb(193,  
235, 217) }
```

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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