

Converting Colors

$Y_{xy}(62.7721, 0.2574, 0.3633)$

Have a look what the booklet for
Yxy(62.7721, 0.2574, 0.3633)
contains.

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Color

Yxy(62.9392, 0.2574, 0.3634)

Conversions

Conversions Part 1

Format	Color
Hex	6CE4CA
RGB	108, 228, 202
RGB Percent	42%, 89%, 79%
CMY	0.5768, 0.1058, 0.2078
CMYK	0.53, 0.00, 0.11, 0.11
HSL	167°, 69%, 66%
HSV	167°, 53%, 89%
XYZ	44.5805, 62.9392, 65.6757
YIQ	189.1560, -63.1740, -33.5260

Conversions

Conversions Part 2

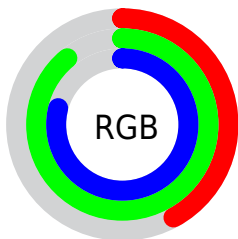
Format	Color
RYB	108, 175, 228
Decimal	7136458
CIELab	83.41, -40.01, 2.41
CIELCh	83, 40.083, 176.548
Yxy	62.9392, 0.2574, 0.3634
Android (android.graphics.Color)	4285326538 (0xFF6CE4CA)
YUV	189.1560, 6.3321, -71.1738
Hunter-Lab	79.3342, -38.5299, 6.4516

Details

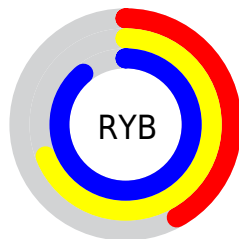
The Yxy color **62.9392, 0.2574, 0.3634** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **28.9231, 0.4317, 0.2998**, and the grayscale version is **50.9624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **32.1146, 0.2437, 0.3724** is the 20% darker color. If you saturate the color by 10%, you get **61.4652, 0.2512, 0.3712**, and if you desaturate by 10%, it is **64.7993, 0.2654, 0.3559**.

Distribution



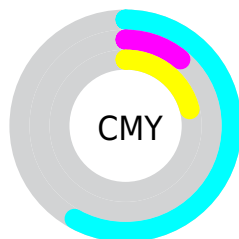
- Red (42%)
- Green (89%)
- Blue (79%)



- Red (42%)
- Yellow (69%)
- Blue (89%)



- Cyan (53%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (58%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.9392, 0.2574, 0.3634 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 62.9392, 0.2574, 0.3634 by changing the saturation by 10% instead.


 62.9392, 0.2574,
0.3634

 62.9392, 0.2574,
0.3634


435.3488, 0.2836,
0.3469

 45.7920, 0.2513,
0.3673


 109.0818, 0.2666,
0.3576

 32.0817, 0.2436,
0.3722


 138.8460, 0.2702,
0.3553

 21.4239, 0.2339,
0.3785


 173.5847, 0.2732,
0.3534

 13.4342, 0.2209,
0.3869

213.6822, 0.2758,
0.3518

 7.7282, 0.2030,
0.3987

259.5230, 0.2781,
0.3503

 3.9216, 0.1768,
0.4164

311.4914, 0.2802,

 1.6298, 0.1208,

0.3491

369.9719, 0.2820,
0.3479

0.4531

0.3775, 0.0000,
0.6090

0.0000, 0.0000,
0.0000

62.9392, 0.2574,
0.3634

62.9392, 0.2574,
0.3634

61.4652, 0.2512,
0.3712

64.7993, 0.2654,
0.3559

60.3400, 0.2468,
0.3792

67.0647, 0.2749,
0.3488

59.5316, 0.2445,
0.3872

69.7622, 0.2855,
0.3421


58.9985, 0.2441,
0.3952


72.9141, 0.2972,
0.3360


 58.7340, 0.2447,
0.4010

 76.5412, 0.3094,
0.3304

 80.6629, 0.3220,
0.3254

 82.8439, 0.3259,
0.3206

 83.1359, 0.3226,
0.3158

 83.4359, 0.3194,
0.3110

Harmonies

Analogous

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



62.9392, 0.3022, 0.4058



62.9392, 0.2574, 0.3634



62.9392, 0.2286, 0.3127

Triad

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



62.9392, 0.2574, 0.3634



62.9392, 0.2687, 0.2500



62.9392, 0.4135, 0.3741

Complementary

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



62.9392, 0.2574, 0.3634



28.9231, 0.4317, 0.2998

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.



62.9392, 0.4044, 0.3343



62.9392, 0.2574, 0.3634



62.9392, 0.3169, 0.2661

Square

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



62.9392, 0.2574, 0.3634



62.9392, 0.2349, 0.2514



62.9392, 0.3678, 0.2960



62.9392, 0.3934, 0.4070

Rectangle

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



62.9392, 0.2574, 0.3634



62.9392, 0.2211, 0.2840



62.9392, 0.3678, 0.2960



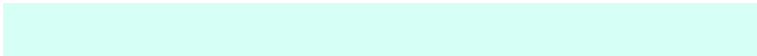
62.9392, 0.4138, 0.3611

Sweetspot

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



62.9417, 0.2574, 0.3634



92.5101, 0.2931, 0.3380



61.6386, 0.3200, 0.4898



19.6195, 0.2907, 0.3393



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.



62.9417, 0.2574, 0.3634



79.0963, 0.2508, 0.3718



47.3627, 0.2359, 0.2831



16.2801, 0.3010, 0.3341



33.9288, 0.2444, 0.3998



2.5205, 0.2412, 0.3881

Inverse Universe

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



28.9231, 0.4317, 0.2998



30.9167, 0.4719, 0.2963



36.9066, 0.4427, 0.3682



14.4188, 0.3258, 0.3239



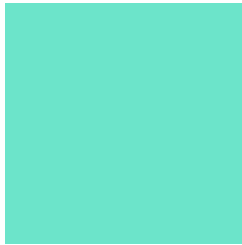
9.6685, 0.6024, 0.3092



0.7281, 0.5620, 0.2869

Previews

White Background



This preview shows how the Yxy color 62.9392, 0.2574, 0.3634 looks on a white background.

Color Contrast Check

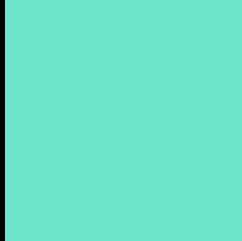
Large Text (above 18pt) WCAG AA × Fail

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 62.9392, 0.2574, 0.3634 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 62.9392, 0.2574, 0.3634

Background



This preview shows how black text looks on a background with the Yxy color 62.9392, 0.2574, 0.3634.

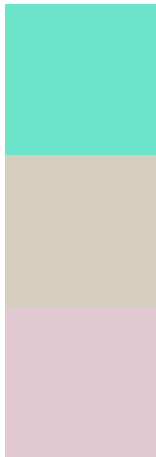


This preview shows how white text looks on a background with the Yxy color 62.9392, 0.2574, 0.3634.

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

62.9392, 0.2574, 0.3634

Protanopia

62.1565, 0.3304, 0.3475

Deuteranopia

62.0314, 0.3273, 0.3202



Tritanopia

62.5269, 0.2431, 0.3065

Trichromacy



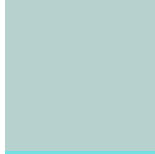
Original Color

62.9392, 0.2574, 0.3634



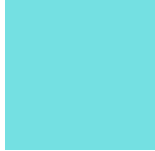
Protanomaly

61.1021, 0.2980, 0.3538



Deuteranomaly

60.6167, 0.2958, 0.3338



Tritanomaly

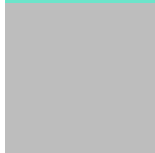
62.5153, 0.2483, 0.3263

Monochromacy



Original Color

62.9392, 0.2574, 0.3634



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

54.0805, 0.2872, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9392, 0.2574, 0.3634 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(108, 228, 202)` looks like.

```
.text, #text, p{  
    color:rgb(108, 228, 202)  
}
```

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(108, 228, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 228, 202) }
```

Border

The CSS property to change the border of an element to Yxy 62.9392, 0.2574, 0.3634 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(108, 228, 202) }
```

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

```
.border{ border-color:rgb(108, 228, 202) }
```

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

Here you see how a box with a 4 pixel rgb(108, 228, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 228, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 228, 202);  
box-shadow:4px 4px 4px 4px rgb(108, 228,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9392, 0.2574, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 228, 202) }
```

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

```
.background{ background-color: rgb(108,  
228, 202) }
```

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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