

Converting Colors

$Yxy(64.3909, 0.2652, 0.3567)$

Have a look what the booklet for
Yxy(64.3909, 0.2652, 0.3567)
contains.

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Color

Yxy(64.6102, 0.2650, 0.3572)

Conversions

Conversions Part 1

Format	Color
Hex	81E4CE
RGB	129, 228, 206
RGB Percent	51%, 89%, 81%
CMY	0.4942, 0.1058, 0.1922
CMYK	0.43, 0.00, 0.10, 0.11
HSL	167°, 65%, 70%
HSV	167°, 43%, 89%
XYZ	47.9331, 64.6102, 68.3363
YIQ	195.8910, -51.9420, -27.8300

Conversions

Conversions Part 2

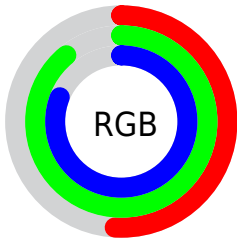
Format	Color
RYB	129, 185, 228
Decimal	8512718
CIELab	84.28, -34.26, 1.67
CIELCh	84, 34.305, 177.218
Yxy	64.6102, 0.2650, 0.3572
Android (android.graphics.Color)	4286702798 (0xFF81E4CE)
YUV	195.8910, 4.9837, -58.6634
Hunter-Lab	80.3805, -34.2213, 5.8603

Details

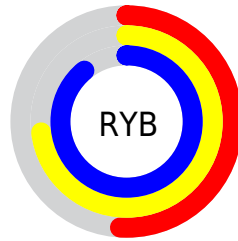
The Yxy color **64.6102, 0.2650, 0.3572** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.4211, 0.4007, 0.3036**, and the grayscale version is **55.1229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **33.1116, 0.2529, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **62.7802, 0.2572, 0.3649**, and if you desaturate by 10%, it is **66.8515, 0.2743, 0.3499**.

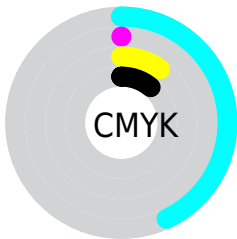
Distribution



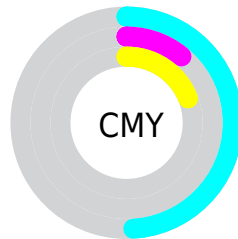
- Red (51%)
- Green (89%)
- Blue (81%)



- Red (51%)
- Yellow (73%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)





- Cyan (49%)
- Magenta (11%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6102, 0.2650, 0.3572 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 64.6102, 0.2650, 0.3572 by changing the saturation by 10% instead.

 64.6102, 0.2650,
0.3572

 64.6102, 0.2650,
0.3572


441.3899, 0.2875,
0.3438

 47.1451, 0.2598,
0.3603


 111.4893, 0.2729,
0.3525

 33.1504, 0.2532,
0.3643


 141.6720, 0.2759,
0.3507

 22.2417, 0.2449,
0.3693


 176.8627, 0.2786,
0.3491

 14.0346, 0.2339,
0.3761

217.4458, 0.2808,
0.3478

 8.1447, 0.2186,
0.3854

263.8057, 0.2828,
0.3466

 4.1877, 0.1963,
0.3994

316.3267, 0.2846,

 1.7791, 0.1585,

0.3456

0.4233

375.3933, 0.2861,
0.3446

0.4741, 0.0000,
0.5425

0.0000, 0.0000,
0.0000

64.6102, 0.2650,
0.3572

64.6102, 0.2650,
0.3572

62.7802, 0.2572,
0.3649

66.8515, 0.2743,
0.3499

61.3271, 0.2511,
0.3730


69.5210, 0.2849,
0.3430


60.2231, 0.2470,
0.3812


72.6435, 0.2963,
0.3366

59.4334, 0.2449,
0.3894


76.2400, 0.3085,
0.3309


 58.9157, 0.2447,
0.3976


 80.3301, 0.3209,
0.3256

 58.6799, 0.2453,
0.4030

 82.8314, 0.3260,
0.3208

 83.1308, 0.3227,
0.3158

 83.4386, 0.3194,
0.3109

 83.7550, 0.3161,
0.3061

Harmonies

Analogous

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



64.6102, 0.3034, 0.3926



64.6102, 0.2650, 0.3572



64.6102, 0.2403, 0.3149

Triad

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



64.6102, 0.2650, 0.3572



64.6102, 0.2761, 0.2611



64.6102, 0.3982, 0.3693

Complementary

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



64.6102, 0.2650, 0.3572



34.4211, 0.4007, 0.3036

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.



64.6102, 0.3907, 0.3350



64.6102, 0.2650, 0.3572



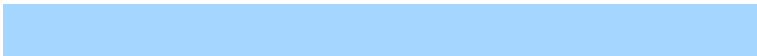
64.6102, 0.3176, 0.2753

Square

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



64.6102, 0.2650, 0.3572



64.6102, 0.2464, 0.2623



64.6102, 0.3604, 0.3016



64.6102, 0.3811, 0.3964

Rectangle

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



64.6102, 0.2650, 0.3572



64.6102, 0.2338, 0.2905



64.6102, 0.3604, 0.3016



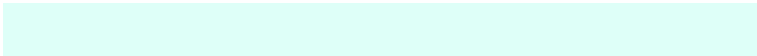
64.6102, 0.3985, 0.3582

Sweetspot

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



64.6128, 0.2650, 0.3572



93.7805, 0.2968, 0.3364



63.7589, 0.3210, 0.4582



19.8695, 0.2941, 0.3378



0.0000, 0.0000, 0.0000



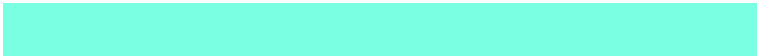
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6128, 0.2650, 0.3572



81.1523, 0.2580, 0.3641



52.3193, 0.2482, 0.2946



16.2787, 0.3011, 0.3343



33.8994, 0.2449, 0.4017



2.5186, 0.2416, 0.3898

Inverse Universe

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



34.4211, 0.4007, 0.3036



37.5401, 0.4295, 0.2991



41.6486, 0.4127, 0.3601



14.4202, 0.3258, 0.3238



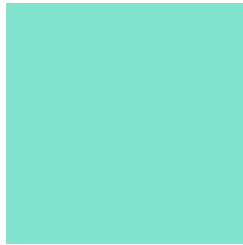
9.6752, 0.6008, 0.3083



0.7287, 0.5602, 0.2859

Previews

White Background



This preview shows how the Yxy color 64.6102, 0.2650, 0.3572 looks on a white background.

Color Contrast Check

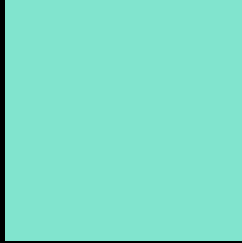
Large Text (above 18pt) WCAG AA × Fail

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 64.6102, 0.2650, 0.3572 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

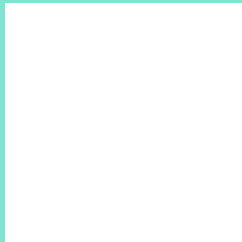
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6102, 0.2650, 0.3572

Background



This preview shows how black text looks on a background with the Yxy color 64.6102, 0.2650, 0.3572.

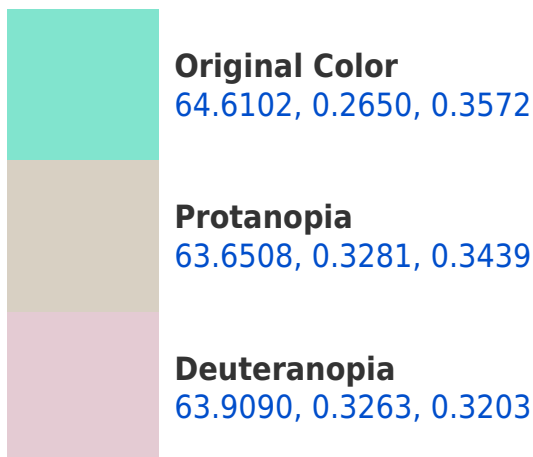


This preview shows how white text looks on a background with the Yxy color 64.6102, 0.2650, 0.3572.

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

64.5295, 0.2510, 0.3070

Trichromacy



Original Color

64.6102, 0.2650, 0.3572



Protanomaly

62.9147, 0.3011, 0.3484



Deuteranomaly

62.8969, 0.3002, 0.3325



Tritanomaly

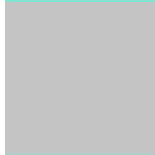
64.6028, 0.2563, 0.3251

Monochromacy



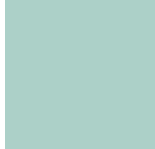
Original Color

64.6102, 0.2650, 0.3572



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.0525, 0.2919, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6102, 0.2650, 0.3572 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(129, 228, 206)` looks like.

```
.text, #text, p{  
    color:rgb(129, 228, 206)  
}
```

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(129, 228, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 228, 206) }
```

Border

The CSS property to change the border of an element to Yxy 64.6102, 0.2650, 0.3572 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(129, 228, 206) }
```

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

```
.border{ border-color:rgb(129, 228, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 228, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 228, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 228, 206);  
box-shadow:4px 4px 4px 4px rgb(129, 228,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6102, 0.2650, 0.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 228, 206) }
```

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

```
.background{ background-color: rgb(129,  
228, 206) }
```

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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