

Converting Colors

$Yxy(64.8941, 0.2617, 0.3554)$

Have a look what the booklet for
Yxy(64.8941, 0.2617, 0.3554)
contains.

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Color

Yxy(64.8778, 0.2618, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	7CE5D0
RGB	124, 229, 208
RGB Percent	49%, 90%, 82%
CMY	0.5135, 0.1020, 0.1843
CMYK	0.46, 0.00, 0.09, 0.10
HSL	168°, 67%, 69%
HSV	168°, 46%, 90%
XYZ	47.7241, 64.8778, 69.6903
YIQ	195.2110, -55.8390, -28.7910

Conversions

Conversions Part 2

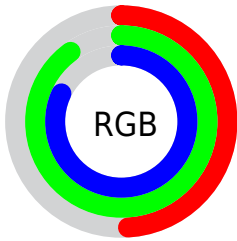
Format	Color
RYB	124, 182, 229
Decimal	8185296
CIELab	84.42, -35.44, 0.78
CIELCh	84, 35.449, 178.739
Yxy	64.8778, 0.2618, 0.3559
Android (android.graphics.Color)	4286375376 (0xFF7CE5D0)
YUV	195.2110, 6.3050, -62.4520
Hunter-Lab	80.5468, -35.1952, 5.0841

Details

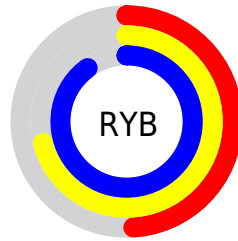
The Yxy color **64.8778, 0.2618, 0.3559** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.1334, 0.4110, 0.3050**, and the grayscale version is **54.7023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **33.3441, 0.2493, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **63.1446, 0.2542, 0.3629**, and if you desaturate by 10%, it is **67.0188, 0.2710, 0.3492**.

Distribution



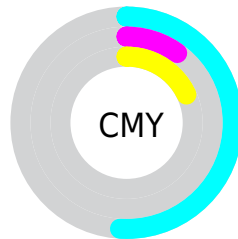
- Red (49%)
- Green (90%)
- Blue (82%)



- Red (49%)
- Yellow (71%)
- Blue (90%)



- Cyan (46%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)




- Cyan (51%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8778, 0.2618, 0.3559 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 64.8778, 0.2618, 0.3559 by changing the saturation by 10% instead.


 64.8778, 0.2618,
0.3559


 64.8778, 0.2618,
0.3559


442.3527, 0.2858,
0.3432

 47.3620, 0.2562,
0.3589


 111.8742, 0.2702,
0.3514

 33.3219, 0.2493,
0.3625


 142.1235, 0.2734,
0.3497

 22.3732, 0.2405,
0.3673


 177.3861, 0.2762,
0.3483

 14.1314, 0.2289,
0.3735

218.0465, 0.2786,
0.3470

 8.2121, 0.2129,
0.3821

264.4889, 0.2807,
0.3459

 4.2310, 0.1897,
0.3948

317.0978, 0.2826,

 1.8036, 0.1505,

0.3449

0.4162

376.2576, 0.2843,
0.3440

■ 0.4894, 0.0000,
0.5057

■ 0.0000, 0.0000,
0.0000

■ 64.8778, 0.2618,
0.3559

■ 64.8778, 0.2618,
0.3559

■ 63.1446, 0.2542,
0.3629

■ 67.0188, 0.2710,
0.3492

■ 61.7837, 0.2484,
0.3701


■ 69.5851, 0.2815,
0.3430

■ 60.7661, 0.2446,
0.3774


■ 72.6024, 0.2931,
0.3372

■ 60.0551, 0.2428,
0.3848


■ 76.0920, 0.3053,
0.3319

 59.6056, 0.2427,
0.3920

 80.0742, 0.3181,
0.3271

 59.4636, 0.2431,
0.3951

 83.3222, 0.3265,
0.3226

 83.5910, 0.3235,
0.3182

 83.8667, 0.3205,
0.3137

 84.1493, 0.3176,
0.3093

Harmonies

Analogous

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



64.8778, 0.3008, 0.3934



64.8778, 0.2618, 0.3559



64.8778, 0.2373, 0.3122

Triad

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



64.8778, 0.2618, 0.3559



64.8778, 0.2769, 0.2595



64.8778, 0.4006, 0.3720

Complementary

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



64.8778, 0.2618, 0.3559



33.1334, 0.4110, 0.3050

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.



64.8778, 0.3943, 0.3369



64.8778, 0.2618, 0.3559



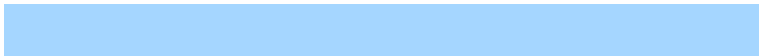
64.8778, 0.3200, 0.2748

Square

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



64.8778, 0.2618, 0.3559



64.8778, 0.2456, 0.2598



64.8778, 0.3639, 0.3024



64.8778, 0.3817, 0.3995

Rectangle

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



64.8778, 0.2618, 0.3559



64.8778, 0.2314, 0.2876



64.8778, 0.3639, 0.3024



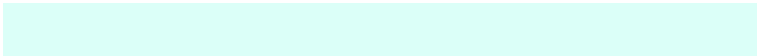
64.8778, 0.4014, 0.3607

Sweetspot

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



64.8804, 0.2618, 0.3559



93.3954, 0.2951, 0.3362



63.5168, 0.3189, 0.4673



19.7959, 0.2925, 0.3374



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.



64.8804, 0.2618, 0.3559



80.6917, 0.2545, 0.3625



50.1132, 0.2442, 0.2877



16.2844, 0.3008, 0.3337



34.0176, 0.2428, 0.3939



2.5264, 0.2398, 0.3833

Inverse Universe

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



33.1334, 0.4110, 0.3050



35.4414, 0.4442, 0.3011



41.7372, 0.4185, 0.3657



14.4149, 0.3261, 0.3243



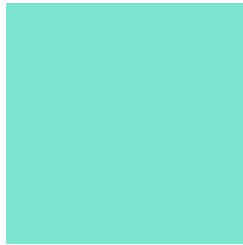
9.6497, 0.6070, 0.3117



0.7262, 0.5672, 0.2898

Previews

White Background



This preview shows how the Yxy color 64.8778, 0.2618, 0.3559 looks on a white background.

Color Contrast Check

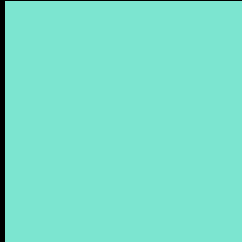
Large Text (above 18pt) WCAG AA × Fail

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 64.8778, 0.2618, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

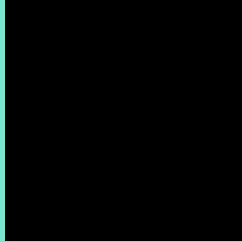
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

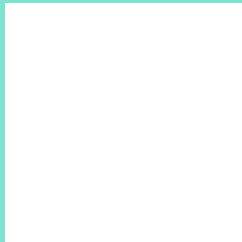
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8778, 0.2618, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 64.8778, 0.2618, 0.3559.

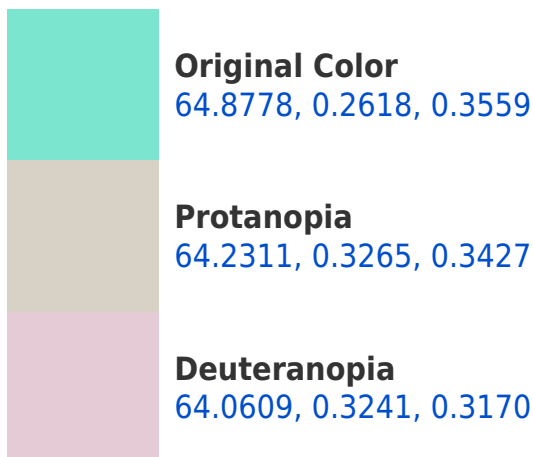


This preview shows how white text looks on a background with the Yxy color 64.8778, 0.2618, 0.3559.

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

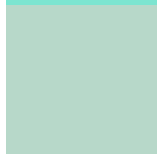
64.7904, 0.2488, 0.3070

Trichromacy



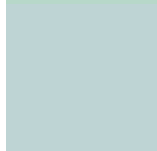
Original Color

64.8778, 0.2618, 0.3559



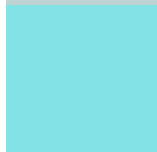
Protanomaly

63.3961, 0.2991, 0.3471



Deuteranomaly

62.7876, 0.2969, 0.3290



Tritanomaly

64.8517, 0.2531, 0.3239

Monochromacy



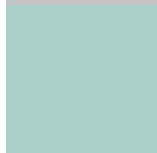
Original Color

64.8778, 0.2618, 0.3559



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.2308, 0.2898, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8778, 0.2618, 0.3559 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(124, 229, 208)` looks like.

```
.text, #text, p{  
    color:rgb(124, 229, 208)  
}
```

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(124, 229, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 229, 208) }
```

Border

The CSS property to change the border of an element to Yxy 64.8778, 0.2618, 0.3559 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(124, 229, 208) }
```

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

```
.border{ border-color:rgb(124, 229, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 229, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 229, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 229, 208);  
box-shadow:4px 4px 4px 4px rgb(124, 229,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8778, 0.2618, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 229, 208) }
```

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

```
.background{ background-color: rgb(124,  
229, 208) }
```

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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