

Converting Colors

$Y_{xy}(64.0713, 0.2552, 0.3416)$

Have a look what the booklet for
Yxy(64.0713, 0.2552, 0.3416)
contains.

Yxy(63.9410, 0.2551, 0.3417)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.9410, 0.2551, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	78E3D9
RGB	120, 227, 217
RGB Percent	47%, 89%, 85%
CMY	0.5294, 0.1098, 0.1491
CMYK	0.47, 0.00, 0.04, 0.11
HSL	174°, 66%, 68%
HSV	174°, 47%, 89%
XYZ	47.7359, 63.9410, 75.4493
YIQ	193.8670, -60.5620, -25.7940

Conversions

Conversions Part 2

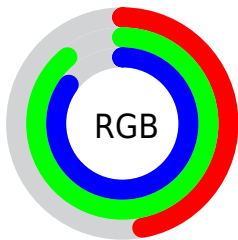
Format	Color
RYB	120, 176, 227
Decimal	7922649
CIELab	83.94, -33.31, -4.68
CIElCh	84, 33.641, 187.996
Yxy	63.9410, 0.2551, 0.3417
Android (android.graphics.Color)	4286112729 (0xFF78E3D9)
YUV	193.8670, 11.4046, -64.7814
Hunter-Lab	79.9631, -33.3757, 0.0311

Details

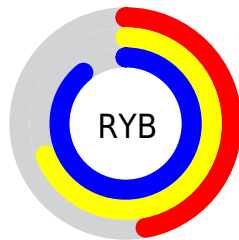
The Yxy color **63.9410, 0.2551, 0.3417** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.3790, 0.4296, 0.3177**, and the grayscale version is **53.8249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **32.6643, 0.2414, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **62.3981, 0.2469, 0.3448**, and if you desaturate by 10%, it is **65.8750, 0.2650, 0.3387**.

Distribution



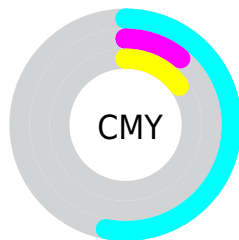
- Red (47%)
- Green (89%)
- Blue (85%)



- Red (47%)
- Yellow (69%)
- Blue (89%)



- Cyan (47%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)





- Cyan (53%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9410, 0.2551, 0.3417 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 63.9410, 0.2551, 0.3417 by changing the saturation by 10% instead.


 63.9410, 0.2551,
0.3417


 63.9410, 0.2551,
0.3417


438.9765, 0.2820,
0.3361


 46.6029, 0.2489,
0.3429


 110.5260, 0.2645,
0.3398

 32.7218, 0.2412,
0.3443


 140.5416, 0.2681,
0.3391

 21.9134, 0.2315,
0.3461


 175.5519, 0.2712,
0.3384

 13.7933, 0.2187,
0.3482

215.9412, 0.2740,
0.3378

 7.9770, 0.2014,
0.3509

262.0939, 0.2764,
0.3373

 4.0803, 0.1765,
0.3540

314.3944, 0.2785,

 1.7186, 0.1361,

0.3369

0.3581

373.2272, 0.2803,
0.3365

0.4356, 0.0000,
0.3521

0.0000, 0.0000,
0.0000

63.9410, 0.2551,
0.3417

63.9410, 0.2551,
0.3417

62.3981, 0.2469,
0.3448

65.8750, 0.2650,
0.3387

61.2112, 0.2406,
0.3481

68.2175, 0.2764,
0.3358


60.3515, 0.2362,
0.3513

70.9939, 0.2891,
0.3331

59.7824, 0.2338,
0.3545


74.2253, 0.3026,
0.3306

 59.4557, 0.2330,
0.3577


 77.9315, 0.3168,
0.3284

 59.3841, 0.2330,
0.3586

 81.9009, 0.3305,
0.3263

 82.0211, 0.3291,
0.3242

 82.1428, 0.3277,
0.3221

 82.2659, 0.3263,
0.3200

Harmonies

Analogous

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



63.9410, 0.2889, 0.3809



63.9410, 0.2551, 0.3417



63.9410, 0.2369, 0.3016

Triad

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



63.9410, 0.2551, 0.3417



63.9410, 0.2905, 0.2655



63.9410, 0.3934, 0.3796

Complementary

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



63.9410, 0.2551, 0.3417



31.3790, 0.4296, 0.3177

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.



63.9410, 0.3950, 0.3474



63.9410, 0.2551, 0.3417



63.9410, 0.3332, 0.2843

Square

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



63.9410, 0.2551, 0.3417



63.9410, 0.2562, 0.2609



63.9410, 0.3725, 0.3134



63.9410, 0.3692, 0.4014

Rectangle

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



63.9410, 0.2551, 0.3417



63.9410, 0.2351, 0.2808



63.9410, 0.3725, 0.3134



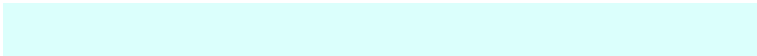
63.9410, 0.3967, 0.3695

Sweetspot

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



63.9435, 0.2551, 0.3417



93.6328, 0.2931, 0.3323



61.0999, 0.3121, 0.4747



19.8543, 0.2902, 0.3329



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.



63.9435, 0.2551, 0.3417



81.1853, 0.2467, 0.3449



43.9066, 0.2398, 0.2713



16.3119, 0.2994, 0.3312



34.6401, 0.2328, 0.3581



2.5666, 0.2315, 0.3534

Inverse Universe

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



31.3790, 0.4296, 0.3177



33.7737, 0.4715, 0.3161



43.8137, 0.4162, 0.3789



14.3898, 0.3278, 0.3268



9.5639, 0.6291, 0.3239



0.7143, 0.6030, 0.3095

Previews

White Background



This preview shows how the Yxy color 63.9410, 0.2551, 0.3417 looks on a white background.

Color Contrast Check

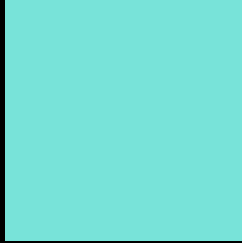
Large Text (above 18pt) WCAG AA × Fail

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 63.9410, 0.2551, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

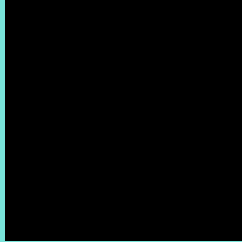
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

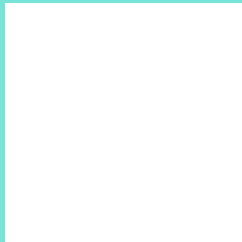
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9410, 0.2551, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 63.9410, 0.2551, 0.3417.



This preview shows how white text looks on a background with the Yxy color 63.9410, 0.2551, 0.3417.

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

63.9410, 0.2551, 0.3417

Protanopia

63.0305, 0.3179, 0.3313

Deuteranopia

63.0446, 0.3137, 0.3070



Tritanopia

63.7154, 0.2463, 0.3068

Trichromacy



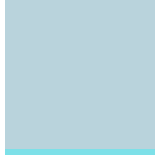
Original Color

63.9410, 0.2551, 0.3417



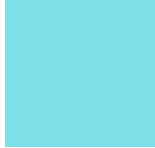
Protanomaly

62.2803, 0.2912, 0.3350



Deuteranomaly

62.0701, 0.2883, 0.3183



Tritanomaly

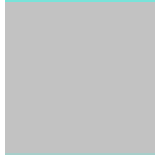
63.4975, 0.2494, 0.3188

Monochromacy



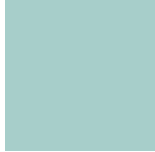
Original Color

63.9410, 0.2551, 0.3417



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.6224, 0.2871, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9410, 0.2551, 0.3417 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(120, 227, 217)` looks like.

```
.text, #text, p{  
    color:rgb(120, 227, 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(120, 227, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 227, 217) }
```

Border

The CSS property to change the border of an element to Yxy 63.9410, 0.2551, 0.3417 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(120, 227, 217) }
```

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

```
.border{ border-color:rgb(120, 227, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 227, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 227, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 227, 217); box-shadow:4px 4px 4px 4px rgb(120, 227, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9410, 0.2551, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 227, 217) }
```

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

```
.background{ background-color: rgb(120,  
227, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor