

Converting Colors

$Y_{xy}(61.8250, 0.2583, 0.3403)$

Have a look what the booklet for
Yxy(61.8250, 0.2583, 0.3403)
contains.

Yxy(61.9904, 0.2580, 0.3405)	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(61.9904, 0.2580, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	7DDFD6
RGB	125, 223, 214
RGB Percent	49%, 87%, 84%
CMY	0.5102, 0.1254, 0.1608
CMYK	0.44, 0.00, 0.04, 0.13
HSL	174°, 61%, 68%
HSV	174°, 44%, 87%
XYZ	46.9707, 61.9904, 73.0959
YIQ	192.6720, -55.5190, -23.5750

Conversions

Conversions Part 2

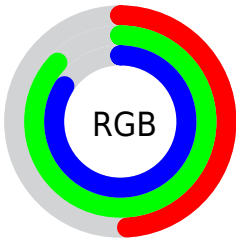
Format	Color
RYB	125, 176, 223
Decimal	8249302
CIELab	82.91, -31.02, -4.59
CIElCh	83, 31.361, 188.417
Yxy	61.9904, 0.2580, 0.3405
Android (android.graphics.Color)	4286439382 (0xFF7DDFD6)
YUV	192.6720, 10.5147, -59.3483
Hunter-Lab	78.7340, -31.2959, 0.0695

Details

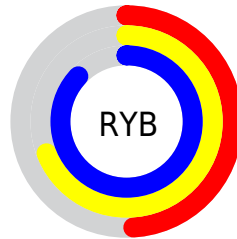
The Yxy color **61.9904, 0.2580, 0.3405** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.0551, 0.4180, 0.3186**, and the grayscale version is **53.0759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **31.2989, 0.2445, 0.3429** is the 20% darker color. If you saturate the color by 10%, you get **60.3958, 0.2492, 0.3435**, and if you desaturate by 10%, it is **63.9679, 0.2684, 0.3376**.

Distribution



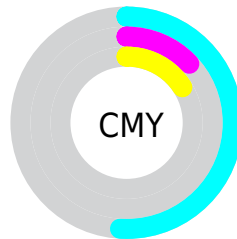
- Red (49%)
- Green (87%)
- Blue (84%)



- Red (49%)
- Yellow (69%)
- Blue (87%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)




- Cyan (51%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.9904, 0.2580, 0.3405 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 61.9904, 0.2580, 0.3405 by changing the saturation by 10% instead.

 61.9904, 0.2580,
0.3405

 61.9904, 0.2580,
0.3405


431.8961, 0.2837,
0.3354


 45.0249, 0.2520,
0.3416

 107.7117, 0.2670,
0.3388

 31.4771, 0.2446,
0.3429


 137.2362, 0.2705,
0.3381

 20.9624, 0.2352,
0.3445


 171.7160, 0.2735,
0.3375

 13.0965, 0.2228,
0.3465

211.5353, 0.2761,
0.3370

 7.4950, 0.2057,
0.3489

257.0786, 0.2783,
0.3365

 3.7736, 0.1810,
0.3518

308.7302, 0.2803,

 1.5477, 0.1383,

0.3361

366.8746, 0.2821,
0.3357

0.3563

0.3220, 0.0000,
0.3241

0.0000, 0.0000,
0.0000

61.9904, 0.2580,
0.3405

61.9904, 0.2580,
0.3405

60.3958, 0.2492,
0.3435

63.9679, 0.2684,
0.3376

59.1512, 0.2423,
0.3467


66.3441, 0.2803,
0.3348

58.2304, 0.2373,
0.3498


69.1429, 0.2932,
0.3322


57.6001, 0.2342,
0.3530

72.3839, 0.3070,
0.3299


 57.2200, 0.2330,
0.3561

 76.0858, 0.3214,
0.3277

 57.0725, 0.2328,
0.3580

 79.5533, 0.3334,
0.3258

 79.6670, 0.3319,
0.3237

 79.7820, 0.3305,
0.3217

 79.8983, 0.3291,
0.3197

Harmonies

Analogous

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



61.9904, 0.2899, 0.3772



61.9904, 0.2580, 0.3405



61.9904, 0.2409, 0.3029

Triad

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



61.9904, 0.2580, 0.3405



61.9904, 0.2924, 0.2690



61.9904, 0.3886, 0.3774

Complementary

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



61.9904, 0.2580, 0.3405



32.0551, 0.4180, 0.3186

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.



61.9904, 0.3903, 0.3471



61.9904, 0.2580, 0.3405



61.9904, 0.3327, 0.2870

Square

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



61.9904, 0.2580, 0.3405



61.9904, 0.2597, 0.2646



61.9904, 0.3694, 0.3148



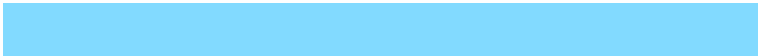
61.9904, 0.3657, 0.3974

Rectangle

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



61.9904, 0.2580, 0.3405



61.9904, 0.2393, 0.2833



61.9904, 0.3694, 0.3148



61.9904, 0.3917, 0.3680

Sweetspot

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



61.9928, 0.2580, 0.3405



94.0508, 0.2944, 0.3320



59.3916, 0.3124, 0.4634



19.9368, 0.2914, 0.3326



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.



61.9928, 0.2580, 0.3405



81.9464, 0.2497, 0.3434



43.8696, 0.2444, 0.2760



15.5494, 0.2994, 0.3311



33.5602, 0.2327, 0.3575



2.3327, 0.2313, 0.3527

Inverse Universe

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



32.0551, 0.4180, 0.3186



36.3310, 0.4546, 0.3169



43.7752, 0.4071, 0.3756



13.7209, 0.3278, 0.3269



9.2623, 0.6292, 0.3240



0.6492, 0.6021, 0.3090

Previews

White Background



This preview shows how the Yxy color 61.9904, 0.2580, 0.3405 looks on a white background.

Color Contrast Check

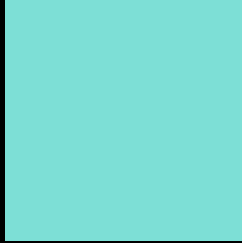
Large Text (above 18pt) WCAG AA × Fail

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 61.9904, 0.2580, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

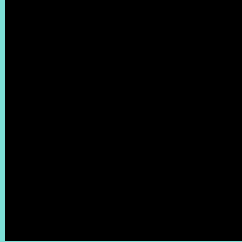
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

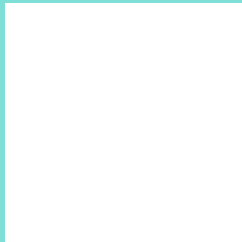
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.9904, 0.2580, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 61.9904, 0.2580, 0.3405.

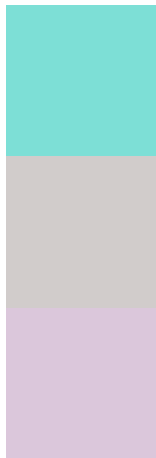


This preview shows how white text looks on a background with the Yxy color 61.9904, 0.2580, 0.3405.

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

61.9904, 0.2580, 0.3405

Protanopia

61.0528, 0.3173, 0.3302

Deuteranopia

61.0214, 0.3138, 0.3067



Tritanopia

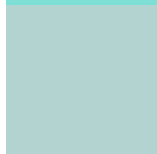
62.2064, 0.2494, 0.3078

Trichromacy



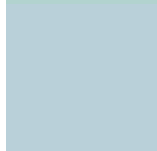
Original Color

61.9904, 0.2580, 0.3405



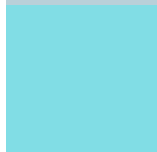
Protanomaly

60.5585, 0.2917, 0.3338



Deuteranomaly

60.4358, 0.2900, 0.3182



Tritanomaly

62.0372, 0.2521, 0.3188

Monochromacy



Original Color

61.9904, 0.2580, 0.3405



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.7276, 0.2883, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9904, 0.2580, 0.3405 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(125, 223, 214)` looks like.

```
.text, #text, p{  
    color:rgb(125, 223, 214)  
}
```

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(125, 223, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 223, 214) }
```

Border

The CSS property to change the border of an element to Yxy 61.9904, 0.2580, 0.3405 is called "border". The border property can be set on classes, ids or directly on the HTML element.

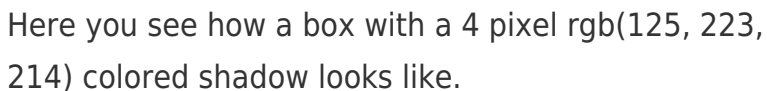
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 223, 214) }
```

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

```
.border{ border-color:rgb(125, 223, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(125, 223, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 223, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 223, 214);  
box-shadow:4px 4px 4px 4px rgb(125, 223,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9904, 0.2580, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 223, 214) }
```

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

```
.background{ background-color: rgb(125,  
223, 214) }
```

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