

Converting Colors

$Yxy(63.9953, 0.2602, 0.3630)$

Have a look what the booklet for
Yxy(63.9953, 0.2602, 0.3630)
contains.

Yxy(63.9953, 0.2602, 0.3630)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.9953, 0.2602, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	73E5CB
RGB	115, 229, 203
RGB Percent	45%, 90%, 80%
CMY	0.5488, 0.1020, 0.2040
CMYK	0.50, 0.00, 0.11, 0.10
HSL	166°, 69%, 67%
HSV	166°, 50%, 90%
XYZ	45.8721, 63.9953, 66.4282
YIQ	191.9500, -59.5980, -32.2540

Conversions

Conversions Part 2

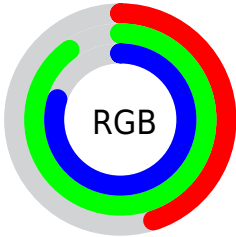
Format	Color
RYB	115, 179, 229
Decimal	7595467
CIELab	83.96, -38.68, 2.72
CIElCh	84, 38.773, 175.971
Yxy	63.9953, 0.2602, 0.3630
Android (android.graphics.Color)	4285785547 (0xFF73E5CB)
YUV	191.9500, 5.4477, -67.4851
Hunter-Lab	79.9971, -37.6389, 6.7646

Details

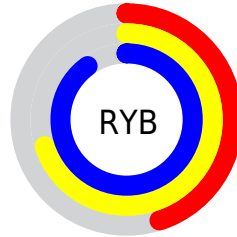
The Yxy color **63.9953, 0.2602, 0.3630** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **30.8544, 0.4200, 0.2995**, and the grayscale version is **52.6824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **32.7871, 0.2470, 0.3718** is the 20% darker color. If you saturate the color by 10%, you get **62.3877, 0.2535, 0.3712**, and if you desaturate by 10%, it is **66.0019, 0.2685, 0.3552**.

Distribution



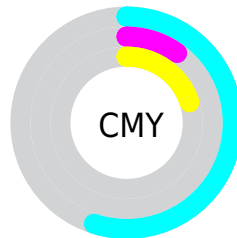
- Red (45%)
- Green (90%)
- Blue (80%)



- Red (45%)
- Yellow (70%)
- Blue (90%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)





- Cyan (55%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9953, 0.2602, 0.3630 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 63.9953, 0.2602, 0.3630 by changing the saturation by 10% instead.

 63.9953, 0.2602,
0.3630

 63.9953, 0.2602,
0.3630

439.1727, 0.2850,
0.3467

 46.6469, 0.2544,
0.3668


 110.6042, 0.2689,
0.3573

 32.7566, 0.2472,
0.3717


 140.6334, 0.2723,
0.3551

 21.9400, 0.2379,
0.3779


 175.6583, 0.2752,
0.3532

 13.8128, 0.2257,
0.3862

216.0634, 0.2777,
0.3515

 7.9906, 0.2088,
0.3978

262.2330, 0.2799,
0.3501

 4.0889, 0.1841,
0.4153

314.5514, 0.2818,

 1.7234, 0.1366,

0.3489

0.4484

373.4032, 0.2835,
0.3477

0.4388, 0.0000,
0.6043

0.0000, 0.0000,
0.0000

63.9953, 0.2602,
0.3630

63.9953, 0.2602,
0.3630

62.3877, 0.2535,
0.3712

66.0019, 0.2685,
0.3552

61.1424, 0.2487,
0.3796


68.4262, 0.2783,
0.3478

60.2287, 0.2459,
0.3881


71.2946, 0.2891,
0.3409

59.6069, 0.2451,
0.3966

74.6291, 0.3008,
0.3346

 59.2108, 0.2459,
0.4050


 78.4504, 0.3130,
0.3289

 59.2023, 0.2459,
0.4052

 82.7779, 0.3255,
0.3237

 83.5647, 0.3238,
0.3186

 83.8791, 0.3204,
0.3136

 84.2026, 0.3171,
0.3086

Harmonies

Analogous

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



63.9953, 0.3037, 0.4031



63.9953, 0.2602, 0.3630



63.9953, 0.2320, 0.3143

Triad

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



63.9953, 0.2602, 0.3630



63.9953, 0.2696, 0.2526



63.9953, 0.4098, 0.3721

Complementary

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



63.9953, 0.2602, 0.3630



30.8544, 0.4200, 0.2995

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.



63.9953, 0.4004, 0.3336



63.9953, 0.2602, 0.3630



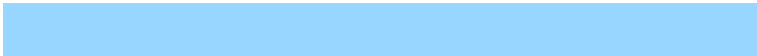
63.9953, 0.3159, 0.2679

Square

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



63.9953, 0.2602, 0.3630



63.9953, 0.2372, 0.2544



63.9953, 0.3649, 0.2966



63.9953, 0.3911, 0.4038

Rectangle

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



63.9953, 0.2602, 0.3630



63.9953, 0.2244, 0.2865



63.9953, 0.3649, 0.2966



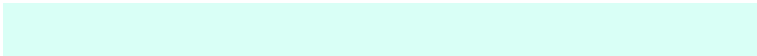
63.9953, 0.4099, 0.3595

Sweetspot

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



63.9978, 0.2602, 0.3630



92.9039, 0.2945, 0.3379



62.9959, 0.3213, 0.4795



19.6959, 0.2921, 0.3392



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.



63.9978, 0.2602, 0.3630



79.5163, 0.2532, 0.3717



49.9735, 0.2400, 0.2887



16.2772, 0.3012, 0.3344



33.8682, 0.2455, 0.4038



2.5165, 0.2421, 0.3915

Inverse Universe

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



30.8544, 0.4200, 0.2995



32.5666, 0.4577, 0.2952



38.2802, 0.4339, 0.3642



14.4216, 0.3257, 0.3237



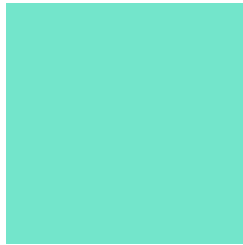
9.6825, 0.5990, 0.3074



0.7295, 0.5582, 0.2849

Previews

White Background



This preview shows how the Yxy color 63.9953, 0.2602, 0.3630 looks on a white background.

Color Contrast Check

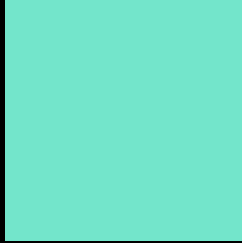
Large Text (above 18pt) WCAG AA × Fail

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 63.9953, 0.2602, 0.3630 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

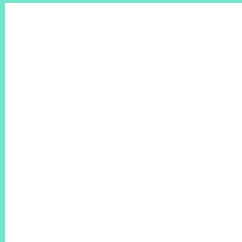
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9953, 0.2602, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 63.9953, 0.2602, 0.3630.

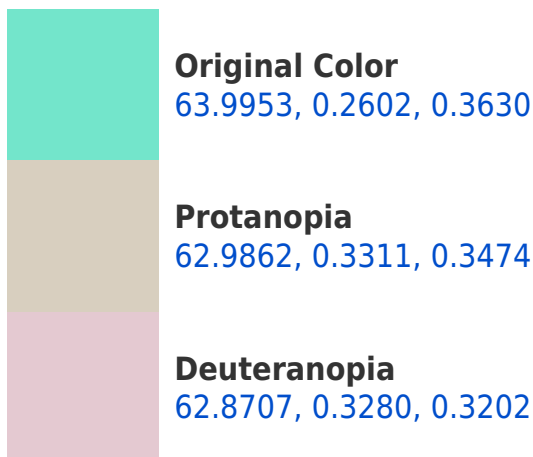


This preview shows how white text looks on a background with the Yxy color 63.9953, 0.2602, 0.3630.

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

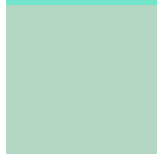
63.6383, 0.2459, 0.3067

Trichromacy



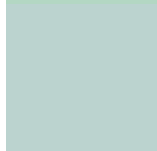
Original Color

63.9953, 0.2602, 0.3630



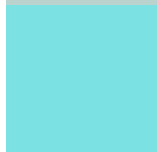
Protanomaly

62.1247, 0.3002, 0.3536



Deuteranomaly

61.6583, 0.2980, 0.3338



Tritanomaly

63.6074, 0.2512, 0.3263

Monochromacy



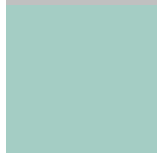
Original Color

63.9953, 0.2602, 0.3630



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.5407, 0.2888, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9953, 0.2602, 0.3630 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(115, 229, 203)` looks like.

```
.text, #text, p{  
    color:rgb(115, 229, 203)  
}
```

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(115, 229, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 229, 203) }
```

Border

The CSS property to change the border of an element to Yxy 63.9953, 0.2602, 0.3630 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(115, 229, 203) }
```

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

```
.border{ border-color:rgb(115, 229, 203) }
```

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

Here you see how a box with a 4 pixel rgb(115, 229, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 229, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 229, 203);  
box-shadow:4px 4px 4px 4px rgb(115, 229,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9953, 0.2602, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 229, 203) }
```

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

```
.background{ background-color: rgb(115,  
229, 203) }
```

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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