

Converting Colors

$Yxy(52.5832, 0.2511, 0.3439)$

Have a look what the booklet for
Yxy(52.5832, 0.2511, 0.3439)
contains.

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Color

Yxy(52.4338, 0.2509, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	64D1C7
RGB	100, 209, 199
RGB Percent	39%, 82%, 78%
CMY	0.6076, 0.1804, 0.2197
CMYK	0.52, 0.00, 0.05, 0.18
HSL	174°, 54%, 61%
HSV	174°, 52%, 82%
XYZ	38.3658, 52.4338, 62.1132
YIQ	175.2690, -61.7540, -26.2180

Conversions

Conversions Part 2

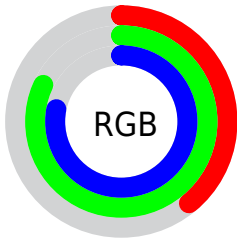
Format	Color
RYB	100, 157, 209
Decimal	6607303
CIELab	77.54, -33.67, -4.60
CIElCh	78, 33.979, 187.774
Yxy	52.4338, 0.2509, 0.3429
Android (android.graphics.Color)	4284797383 (0xFF64D1C7)
YUV	175.2690, 11.6994, -66.0109
Hunter-Lab	72.4112, -32.1444, -0.1702

Details

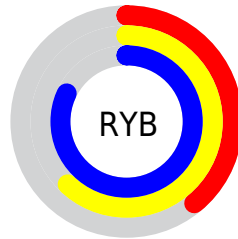
The Yxy color **52.4338, 0.2509, 0.3429** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.8071, 0.4485, 0.3171**, and the grayscale version is **42.9849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **25.4626, 0.2348, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **51.3036, 0.2436, 0.3460**, and if you desaturate by 10%, it is **53.8750, 0.2600, 0.3399**.

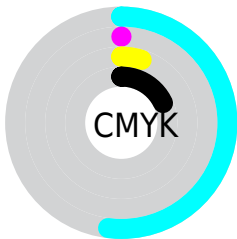
Distribution



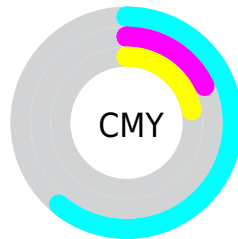
- Red (39%)
- Green (82%)
- Blue (78%)



- Red (39%)
- Yellow (62%)
- Blue (82%)



- Cyan (52%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)




- Cyan (61%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.4338, 0.2509, 0.3429 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 52.4338, 0.2509, 0.3429 by changing the saturation by 10% instead.


 52.4338, 0.2509,
0.3429

 52.4338, 0.2509,
0.3429

396.1090, 0.2808,
0.3366

 37.3510, 0.2438,
0.3443


 93.7707, 0.2615,
0.3407

 25.4793, 0.2348,
0.3460

 120.7935, 0.2656,
0.3399

 16.4345, 0.2232,
0.3481


 152.5652, 0.2690,
0.3391

 9.8322, 0.2077,
0.3506

 189.4700, 0.2720,
0.3385

 5.2878, 0.1858,
0.3538

231.8924, 0.2746,
0.3379

 2.4171, 0.1533,
0.3573

280.2168, 0.2769,

 0.8347, 0.0000,

0.3374

0.3994

334.8275, 0.2790,
0.3370

0.0000, 0.0000,
0.0000

52.4338, 0.2509,
0.3429

52.4338, 0.2509,
0.3429

51.3036, 0.2436,
0.3460

53.8750, 0.2600,
0.3399

50.4542, 0.2382,
0.3491

55.6422, 0.2707,
0.3370

49.8604, 0.2348,
0.3523

57.7571, 0.2827,
0.3343

49.4893, 0.2331,
0.3554

60.2375, 0.2958,
0.3318

49.3087, 0.2327,
0.3579

63.1001, 0.3097,
0.3295

■ 66.3605, 0.3241,
0.3274

■ 70.0336, 0.3387,
0.3255

■ 71.7350, 0.3439,
0.3236

■ 71.8342, 0.3425,
0.3217

Harmonies

Analogous

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



52.4338, 0.2872, 0.3856



52.4338, 0.2509, 0.3429



52.4338, 0.2314, 0.2994

Triad

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



52.4338, 0.2509, 0.3429



52.4338, 0.2883, 0.2608



52.4338, 0.3998, 0.3828

Complementary

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



52.4338, 0.2509, 0.3429



23.8071, 0.4485, 0.3171

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.



52.4338, 0.4015, 0.3481



52.4338, 0.2509, 0.3429



52.4338, 0.3344, 0.2808

Square

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



52.4338, 0.2509, 0.3429



52.4338, 0.2517, 0.2560



52.4338, 0.3769, 0.3118



52.4338, 0.3737, 0.4069

Rectangle

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



52.4338, 0.2509, 0.3429



52.4338, 0.2294, 0.2771



52.4338, 0.3769, 0.3118



52.4338, 0.4033, 0.3719

Sweetspot

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



52.4358, 0.2509, 0.3429



92.8267, 0.2904, 0.3328



49.8985, 0.3116, 0.4912



19.6957, 0.2877, 0.3333



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.



52.4358, 0.2509, 0.3429



80.2221, 0.2426, 0.3465



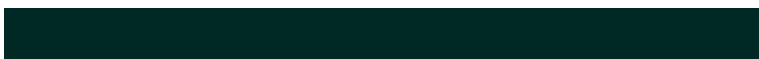
34.3781, 0.2330, 0.2644



13.3875, 0.2995, 0.3311



30.4097, 0.2326, 0.3574



1.7059, 0.2310, 0.3517

Inverse Universe

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



23.8071, 0.4485, 0.3171



30.4349, 0.4987, 0.3160



34.3114, 0.4304, 0.3834



11.8257, 0.3276, 0.3269



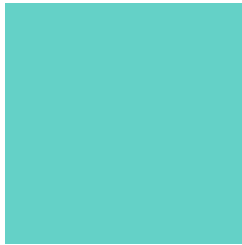
8.3937, 0.6288, 0.3237



0.4755, 0.5968, 0.3061

Previews

White Background



This preview shows how the Yxy color 52.4338, 0.2509, 0.3429 looks on a white background.

Color Contrast Check

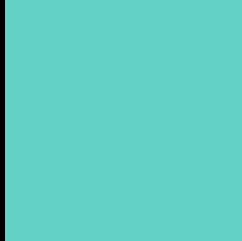
Large Text (above 18pt) WCAG AA × Fail

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 52.4338, 0.2509, 0.3429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

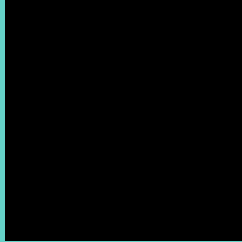
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

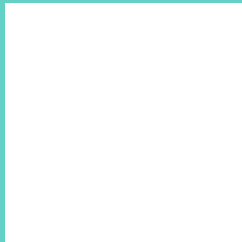
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.4338, 0.2509, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 52.4338, 0.2509, 0.3429.

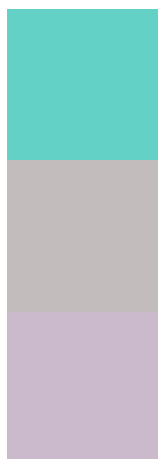


This preview shows how white text looks on a background with the Yxy color 52.4338, 0.2509, 0.3429.

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

52.4338, 0.2509, 0.3429

Protanopia

51.4954, 0.3176, 0.3303

Deuteranopia

51.7541, 0.3130, 0.3063



Tritanopia

52.6047, 0.2422, 0.3074

Trichromacy



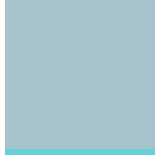
Original Color

52.4338, 0.2509, 0.3429



Protanomaly

50.7592, 0.2881, 0.3342



Deuteranomaly

50.9548, 0.2856, 0.3186



Tritanomaly

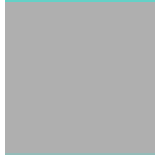
52.4839, 0.2450, 0.3193

Monochromacy



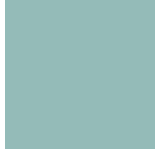
Original Color

52.4338, 0.2509, 0.3429



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.2972, 0.2841, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4338, 0.2509, 0.3429 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(100, 209, 199)` looks like.

```
.text, #text, p{  
    color:rgb(100, 209, 199)  
}
```

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(100, 209, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 209, 199) }
```

Border

The CSS property to change the border of an element to Yxy 52.4338, 0.2509, 0.3429 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(100, 209, 199) }
```

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

```
.border{ border-color:rgb(100, 209, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 209, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 209, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 209, 199);  
box-shadow:4px 4px 4px 4px rgb(100, 209,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4338, 0.2509, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 209, 199) }
```

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

```
.background{ background-color: rgb(100,  
209, 199) }
```

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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