

Converting Colors

Yxy(52.6672, 0.2595, 0.3643)

Have a look what the booklet for
Yxy(52.6672, 0.2595, 0.3643)
contains.

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Color

Yxy(52.5219, 0.2593, 0.3631)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 67D2BA |
| RGB | 103, 210, 186 |
| RGB Percent | 40%, 82%, 73% |
| CMY | 0.5959, 0.1765, 0.2706 |
| CMYK | 0.51, 0.00, 0.11, 0.18 |
| HSL | 167°, 54%, 61% |
| HSV | 167°, 51%, 82% |
| XYZ | 37.5074, 52.5219, 54.6193 |
| YIQ | 175.2710, -56.0680, -30.1480 |

Conversions

Conversions Part 2

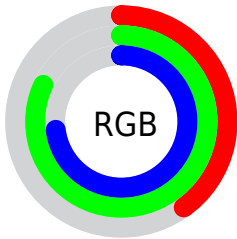
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 103, 163, 210 |
| Decimal | 6804154 |
| CIELab | 77.59, -36.67, 2.45 |
| CIELCh | 78, 36.751, 176.174 |
| Yxy | 52.5219, 0.2593, 0.3631 |
| Android (android.graphics.Color) | 4284994234 (0xFF67D2BA) |
| YUV | 175.2710, 5.2894, -63.3817 |
| Hunter-Lab | 72.4720, -34.4446, 6.0458 |

Details

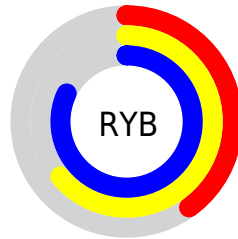
The Yxy color **52.5219, 0.2593, 0.3631** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.9445, 0.4236, 0.2996**, and the grayscale version is **43.0183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5079, 0.2670, 0.3434**, and **25.5675, 0.2448, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **51.2365, 0.2528, 0.3711**, and if you desaturate by 10%, it is **54.1299, 0.2675, 0.3554**.

Distribution



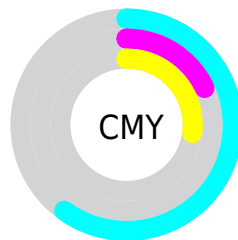
- Red (40%)
- Green (82%)
- Blue (73%)



- Red (40%)
- Yellow (64%)
- Blue (82%)



- Cyan (51%)
- Magenta (0%)
- Yellow (11%)
- Black (18%)





- Cyan (60%)
- Magenta (18%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5219, 0.2593, 0.3631 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 52.5219, 0.2593, 0.3631 by changing the saturation by 10% instead.


 52.5219, 0.2593,
0.3631

 52.5219, 0.2593,
0.3631


396.4481, 0.2854,
0.3463


 37.4212, 0.2530,
0.3672


 93.9005, 0.2687,
0.3570

 25.5338, 0.2449,
0.3725


 120.9472, 0.2722,
0.3547

 16.4752, 0.2344,
0.3795


 152.7447, 0.2752,
0.3528

 9.8610, 0.2202,
0.3891

 189.6774, 0.2778,
0.3511

 5.3069, 0.1997,
0.4030

232.1297, 0.2801,
0.3497

 2.4284, 0.1683,
0.4252

280.4860, 0.2821,

 0.8405, 0.0000,

0.3484

0.5306

335.1307, 0.2839,
0.3473

■ 0.0000, 0.0000,
0.0000

■ 52.5219, 0.2593,
0.3631

■ 52.5219, 0.2593,
0.3631

■ 51.2365, 0.2528,
0.3711

■ 54.1299, 0.2675,
0.3554

■ 50.2436, 0.2481,
0.3793

■ 56.0757, 0.2771,
0.3482

■ 49.5180, 0.2455,
0.3876

■ 58.3808, 0.2878,
0.3414

■ 49.0272, 0.2447,
0.3959

■ 61.0633, 0.2994,
0.3352

■ 48.7326, 0.2454,
0.4033

■ 64.1399, 0.3116,
0.3295

■ 67.6265, 0.3240,
0.3244

■ 71.5380, 0.3365,
0.3199

■ 72.7171, 0.3369,
0.3153

■ 72.9758, 0.3334,
0.3106

Harmonies

Analogous

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



52.5219, 0.3032, 0.4039



52.5219, 0.2593, 0.3631



52.5219, 0.2309, 0.3138

Triad

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



52.5219, 0.2593, 0.3631



52.5219, 0.2693, 0.2518



52.5219, 0.4109, 0.3727

Complementary

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



52.5219, 0.2593, 0.3631



24.9445, 0.4236, 0.2996

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.



52.5219, 0.4016, 0.3338



52.5219, 0.2593, 0.3631



52.5219, 0.3163, 0.2673

Square

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



52.5219, 0.2593, 0.3631



52.5219, 0.2365, 0.2534



52.5219, 0.3658, 0.2965



52.5219, 0.3918, 0.4048

Rectangle

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



52.5219, 0.2593, 0.3631



52.5219, 0.2233, 0.2857



52.5219, 0.3658, 0.2965



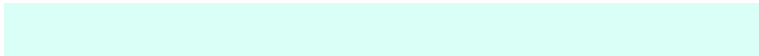
52.5219, 0.4112, 0.3600

Sweetspot

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



52.5240, 0.2593, 0.3631



92.9131, 0.2944, 0.3377



51.6617, 0.3213, 0.4825



19.6982, 0.2920, 0.3391



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.



52.5240, 0.2593, 0.3631



79.3712, 0.2524, 0.3717



40.7817, 0.2389, 0.2878



13.3598, 0.3012, 0.3343



29.7427, 0.2450, 0.4021



1.6745, 0.2409, 0.3870

Inverse Universe

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



24.9445, 0.4236, 0.2996



31.9999, 0.4624, 0.2955



31.0670, 0.4370, 0.3648



11.8511, 0.3256, 0.3238



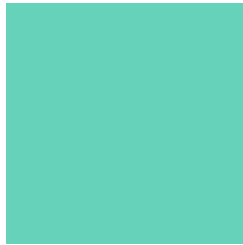
8.4961, 0.5992, 0.3075



0.4874, 0.5465, 0.2784

Previews

White Background



This preview shows how the Yxy color 52.5219, 0.2593, 0.3631 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 52.5219, 0.2593, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

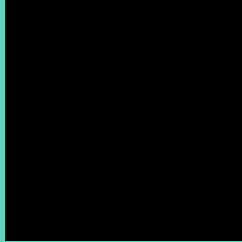
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

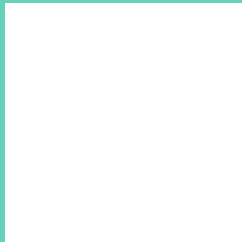
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5219, 0.2593, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 52.5219, 0.2593, 0.3631.

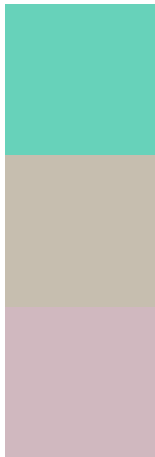


This preview shows how white text looks on a background with the Yxy color 52.5219, 0.2593, 0.3631.

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

52.5219, 0.2593, 0.3631

Protanopia

51.9278, 0.3311, 0.3477

Deuteranopia

51.4525, 0.3275, 0.3207



Tritanopia

52.4605, 0.2451, 0.3075

Trichromacy



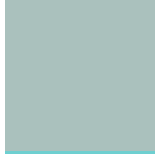
Original Color

52.5219, 0.2593, 0.3631



Protanomaly

50.9737, 0.2992, 0.3530



Deuteranomaly

50.3601, 0.2975, 0.3342



Tritanomaly

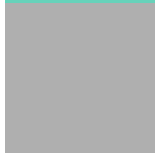
52.4947, 0.2503, 0.3274

Monochromacy



Original Color

52.5219, 0.2593, 0.3631



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.6107, 0.2884, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5219, 0.2593, 0.3631 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(103, 210, 186)` looks like.

```
.text, #text, p{  
    color:rgb(103, 210, 186)  
}
```

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(103, 210, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 210, 186) }
```

Border

The CSS property to change the border of an element to Yxy 52.5219, 0.2593, 0.3631 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(103, 210, 186) }
```

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

```
.border{ border-color:rgb(103, 210, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 210, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 210, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 210, 186); box-shadow:4px 4px 4px 4px rgb(103, 210, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5219, 0.2593, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 210, 186) }
```

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

```
.background{ background-color: rgb(103,  
210, 186) }
```

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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