

Converting Colors

$Y_{xy}(51.0205, 0.2623, 0.3301)$

Have a look what the booklet for
Yxy(51.0205, 0.2623, 0.3301)
contains.

Yxy(51.0473, 0.2624, 0.3302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.0473, 0.2624, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	80CAC9
RGB	128, 202, 201
RGB Percent	50%, 79%, 79%
CMY	0.4981, 0.2078, 0.2117
CMYK	0.37, 0.00, 0.00, 0.21
HSL	179°, 41%, 65%
HSV	179°, 37%, 79%
XYZ	40.5658, 51.0473, 62.9820
YIQ	179.7600, -43.7830, -15.9990

Conversions

Conversions Part 2

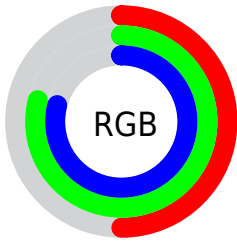
Format	Color
RYB	128, 165, 202
Decimal	8440521
CIELab	76.71, -23.15, -6.80
CIELCh	77, 24.127, 196.371
Yxy	51.0473, 0.2624, 0.3302
Android (android.graphics.Color)	4286630601 (0xFF80CAC9)
YUV	179.7600, 10.4713, -45.3935
Hunter-Lab	71.4474, -23.6858, -2.2519

Details

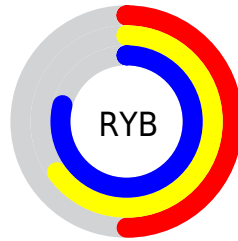
The Yxy color **51.0473, 0.2624, 0.3302** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.5789, 0.3996, 0.3280**, and the grayscale version is **45.4677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **24.7029, 0.2491, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **49.6231, 0.2518, 0.3306**, and if you desaturate by 10%, it is **52.7874, 0.2746, 0.3298**.

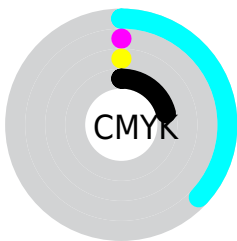
Distribution



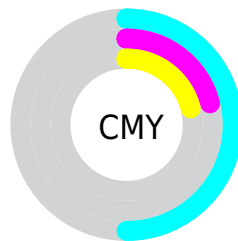
- Red (50%)
- Green (79%)
- Blue (79%)



- Red (50%)
- Yellow (65%)
- Blue (79%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)




- Cyan (50%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0473, 0.2624, 0.3302 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 51.0473, 0.2624, 0.3302 by changing the saturation by 10% instead.


 51.0473, 0.2624,
0.3302


 51.0473, 0.2624,
0.3302


390.7475, 0.2868,
0.3300


 36.2463, 0.2565,
0.3301


 91.7247, 0.2711,
0.3302

 24.6244, 0.2491,
0.3299


 118.3698, 0.2744,
0.3302

 15.7975, 0.2395,
0.3296


 149.7318, 0.2773,
0.3302

 9.3810, 0.2264,
0.3289

186.1949, 0.2797,
0.3302

 4.9905, 0.2079,
0.3274

228.1437, 0.2818,
0.3301

 2.2417, 0.1798,
0.3239

275.9624, 0.2837,

 0.7426, 0.0638,

0.3301

330.0356, 0.2854,
0.3301

0.3369

0.0000, 0.0000,
0.0000

51.0473, 0.2624,
0.3302

51.0473, 0.2624,
0.3302

49.6231, 0.2518,
0.3306

52.7874, 0.2746,
0.3298

48.4901, 0.2429,
0.3310

54.8543, 0.2881,
0.3295

47.6298, 0.2360,
0.3314

57.2660, 0.3026,
0.3292

47.0188, 0.2309,
0.3318

60.0372, 0.3179,
0.3289

46.6302, 0.2277,
0.3323

63.1818, 0.3336,
0.3287

■ 46.4285, 0.2261,
0.3327

■ 66.7132, 0.3495,
0.3285

■ 46.3804, 0.2258,
0.3328

■ 67.8098, 0.3539,
0.3282

■ 67.8227, 0.3537,
0.3279

■ 67.8356, 0.3535,
0.3276

Harmonies

Analogous

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



51.0473, 0.2863, 0.3611



51.0473, 0.2624, 0.3302



51.0473, 0.2518, 0.3010

Triad

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



51.0473, 0.2624, 0.3302



51.0473, 0.3047, 0.2820



51.0473, 0.3717, 0.3748

Complementary

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



51.0473, 0.2624, 0.3302



29.5789, 0.3996, 0.3280

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.



51.0473, 0.3778, 0.3516



51.0473, 0.2624, 0.3302



51.0473, 0.3380, 0.2997

Square

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



51.0473, 0.2624, 0.3302



51.0473, 0.2752, 0.2752



51.0473, 0.3653, 0.3246



51.0473, 0.3494, 0.3870

Rectangle

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



51.0473, 0.2624, 0.3302



51.0473, 0.2531, 0.2866



51.0473, 0.3653, 0.3246



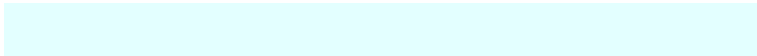
51.0473, 0.3757, 0.3679

Sweetspot

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



51.0493, 0.2624, 0.3302



95.0387, 0.2960, 0.3293



48.4862, 0.3084, 0.4385



20.2225, 0.2940, 0.3294



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.



51.0493, 0.2624, 0.3302



84.4657, 0.2538, 0.3305



36.2106, 0.2546, 0.2773



12.7244, 0.2985, 0.3293



29.8453, 0.2258, 0.3328



1.5405, 0.2255, 0.3319

Inverse Universe

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



29.5789, 0.3996, 0.3280



42.8677, 0.4289, 0.3278



40.5828, 0.3837, 0.3753



11.2161, 0.3288, 0.3287



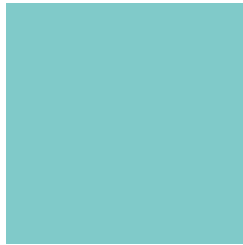
8.0848, 0.6385, 0.3291



0.4180, 0.6329, 0.3260

Previews

White Background



This preview shows how the Yxy color 51.0473, 0.2624, 0.3302 looks on a white background.

Color Contrast Check

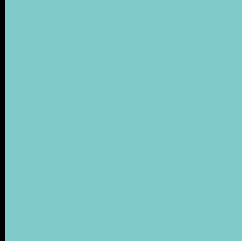
Large Text (above 18pt) WCAG AA × Fail

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 51.0473, 0.2624, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

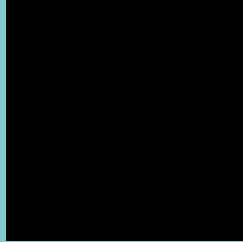
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

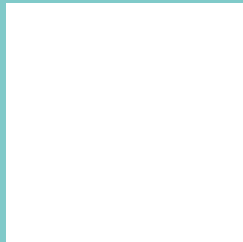
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.0473, 0.2624, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 51.0473, 0.2624, 0.3302.



This preview shows how white text looks on a background with the Yxy color 51.0473, 0.2624, 0.3302.

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

51.0473, 0.2624, 0.3302

Protanopia

50.4228, 0.3122, 0.3228

Deuteranopia

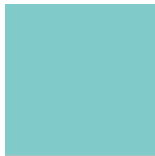
50.4169, 0.3090, 0.3024



Tritanopia

51.1720, 0.2559, 0.3076

Trichromacy



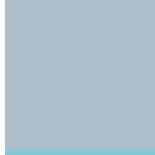
Original Color

51.0473, 0.2624, 0.3302



Protanomaly

49.9642, 0.2917, 0.3250



Deuteranomaly

50.0708, 0.2892, 0.3111



Tritanomaly

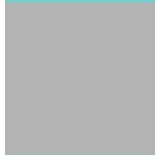
51.3017, 0.2583, 0.3155

Monochromacy



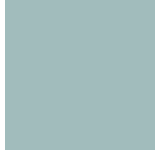
Original Color

51.0473, 0.2624, 0.3302



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

47.1743, 0.2912, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0473, 0.2624, 0.3302 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(128, 202, 201)` looks like.

```
.text, #text, p{  
    color:rgb(128, 202, 201)  
}
```

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(128, 202, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 202, 201) }
```

Border

The CSS property to change the border of an element to Yxy 51.0473, 0.2624, 0.3302 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(128, 202, 201) }
```

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

```
.border{ border-color:rgb(128, 202, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 202, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 202, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 202, 201);  
box-shadow:4px 4px 4px 4px rgb(128, 202,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0473, 0.2624, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 202, 201) }
```

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

```
.background{ background-color: rgb(128,  
202, 201) }
```

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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