

Converting Colors

$Yxy(52.1433, 0.2491, 0.3050)$

Have a look what the booklet for
Yxy(52.1433, 0.2491, 0.3050)
contains.

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Color

$\text{Yxy}(52.1433, 0.2491, 0.3050)$

Conversions

Conversions Part 1

Format	Color
Hex	7BCBDD
RGB	123, 203, 221
RGB Percent	48%, 80%, 87%
CMY	0.5172, 0.2040, 0.1333
CMYK	0.44, 0.08, 0.00, 0.13
HSL	191°, 59%, 67%
HSV	191°, 44%, 87%
XYZ	42.5865, 52.1433, 76.2318
YIQ	181.1320, -53.4580, -11.3620

Conversions

Conversions Part 2

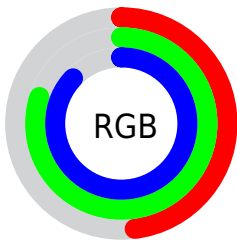
Format	Color
RYB	123, 167, 221
Decimal	8113117
CIELab	77.37, -19.84, -16.61
CIElCh	77, 25.877, 219.946
Yxy	52.1433, 0.2491, 0.3050
Android (android.graphics.Color)	4286303197 (0xFF7BCBDD)
YUV	181.1320, 19.6549, -50.9818
Hunter-Lab	72.2103, -21.0964, -12.0447

Details

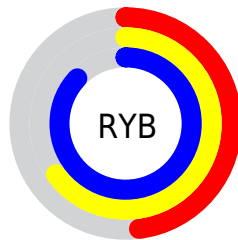
The Yxy color **52.1433, 0.2491, 0.3050** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.8920, 0.4199, 0.3509**, and the grayscale version is **46.2100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **25.3719, 0.2328, 0.2981** is the 20% darker color. If you saturate the color by 10%, you get **48.7975, 0.2376, 0.2986**, and if you desaturate by 10%, it is **55.9116, 0.2620, 0.3111**.

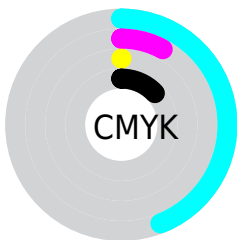
Distribution



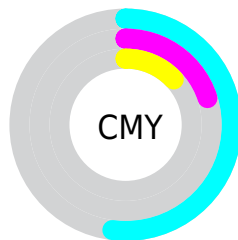
- Red (48%)
- Green (80%)
- Blue (87%)



- Red (48%)
- Yellow (65%)
- Blue (87%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (52%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1433, 0.2491, 0.3050 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 52.1433, 0.2491, 0.3050 by changing the saturation by 10% instead.

52.1433, 0.2491,
0.3050

52.1433, 0.2491,
0.3050

394.9896, 0.2795,
0.3174

37.1193, 0.2419,
0.3018

93.3425, 0.2598,
0.3096

25.2999, 0.2330,
0.2977

120.2866, 0.2640,
0.3113

16.3006, 0.2215,
0.2921

151.9728, 0.2675,
0.3127

9.7371, 0.2062,
0.2844

188.7855, 0.2706,
0.3139

5.2250, 0.1851,
0.2727

231.1091, 0.2732,
0.3150

2.3799, 0.1546,
0.2538

279.3281, 0.2756,

0.8155, 0.0805,

0.3159

0.2257

333.8268, 0.2777,
0.3167

0.0000, 0.0000,
0.0000

52.1433, 0.2491,
0.3050

52.1433, 0.2491,
0.3050

48.7975, 0.2376,
0.2986

55.9116, 0.2620,
0.3111

45.8426, 0.2278,
0.2920

60.1193, 0.2760,
0.3168

43.2522, 0.2198,
0.2854

64.7898, 0.2908,
0.3222

40.9931, 0.2138,
0.2787

69.9429, 0.3061,
0.3270

39.0253, 0.2096,
0.2720

75.5970, 0.3215,
0.3315

■ 37.9965, 0.2079,
0.2683

■ 81.6355, 0.3364,
0.3355

■ 83.8923, 0.3359,
0.3395

■ 86.2021, 0.3353,
0.3435

■ 88.5652, 0.3348,
0.3474

Harmonies

Analogous

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



52.1433, 0.2636, 0.3375



52.1433, 0.2491, 0.3050



52.1433, 0.2505, 0.2817

Triad

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



52.1433, 0.2491, 0.3050



52.1433, 0.3321, 0.2931



52.1433, 0.3579, 0.3894

Complementary

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



52.1433, 0.2491, 0.3050



35.8920, 0.4199, 0.3509

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.



52.1433, 0.3785, 0.3730



52.1433, 0.2491, 0.3050



52.1433, 0.3635, 0.3181

Square

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



52.1433, 0.2491, 0.3050



52.1433, 0.2968, 0.2765



52.1433, 0.3808, 0.3468



52.1433, 0.3257, 0.3889

Rectangle

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



52.1433, 0.2491, 0.3050



52.1433, 0.2601, 0.2737



52.1433, 0.3808, 0.3468



52.1433, 0.3664, 0.3855

Sweetspot

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



52.1453, 0.2491, 0.3050



90.4144, 0.2926, 0.3228



57.8605, 0.2965, 0.4415



19.0289, 0.2893, 0.3216



0.0000, 0.0000, 0.0000



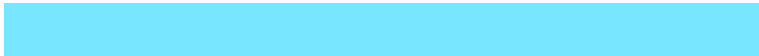
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.1453, 0.2491, 0.3050



67.8650, 0.2385, 0.2992



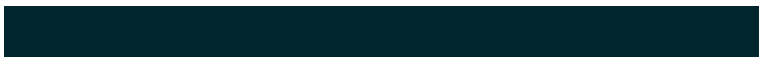
32.5853, 0.2371, 0.2355



14.4007, 0.2982, 0.3246



22.2253, 0.2082, 0.2693



1.5479, 0.2111, 0.2801

Inverse Universe

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



33.8758, 0.3357, 0.2384



40.3770, 0.3418, 0.2218



53.6350, 0.3930, 0.4068



13.2316, 0.3166, 0.3101



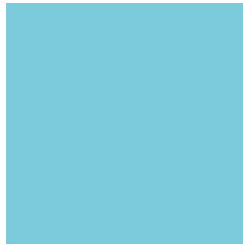
10.8674, 0.3735, 0.1831



0.7149, 0.3634, 0.1775

Previews

White Background



This preview shows how the Yxy color 52.1433, 0.2491, 0.3050 looks on a white background.

Color Contrast Check

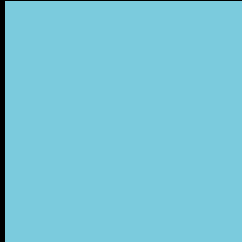
Large Text (above 18pt) WCAG AA × Fail

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 52.1433, 0.2491, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

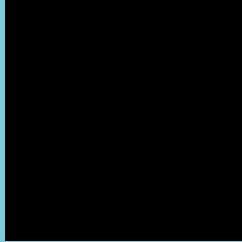
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1433, 0.2491, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 52.1433, 0.2491, 0.3050.



This preview shows how white text looks on a background with the Yxy color 52.1433, 0.2491, 0.3050.

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

52.1433, 0.2491, 0.3050

Protanopia

51.7135, 0.2942, 0.3008

Deuteranopia

51.7605, 0.2889, 0.2827



Tritanopia

52.0901, 0.2496, 0.3063

Trichromacy



Original Color

52.1433, 0.2491, 0.3050

Protanomaly

51.3824, 0.2757, 0.3023

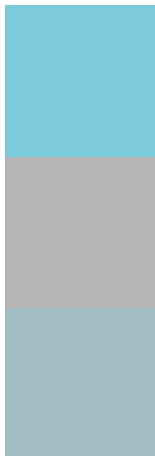
Deuteranomaly

51.2966, 0.2719, 0.2891

Tritanomaly

52.0901, 0.2496, 0.3063

Monochromacy



Original Color

52.1433, 0.2491, 0.3050

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.8543, 0.2849, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1433, 0.2491, 0.3050 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(123, 203, 221)` looks like.

```
.text, #text, p{  
    color:rgb(123, 203, 221)  
}
```

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(123, 203, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 203, 221) }
```

Border

The CSS property to change the border of an element to Yxy 52.1433, 0.2491, 0.3050 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(123, 203, 221) }
```

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

```
.border{ border-color:rgb(123, 203, 221) }
```

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

Here you see how a box with a 4 pixel rgb(123, 203, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 203, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 203, 221);  
box-shadow:4px 4px 4px 4px rgb(123, 203,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1433, 0.2491, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 203, 221) }
```

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

```
.background{ background-color: rgb(123,  
203, 221) }
```

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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