

Converting Colors

$Y_{xy}(50.6631, 0.2202, 0.3028)$

Have a look what the booklet for
Yxy(50.6631, 0.2202, 0.3028)
contains.

Yxy(50.4740, 0.2200, 0.3023)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.4740, 0.2200, 0.3023)

Conversions

Conversions Part 1

Format	Color
Hex	23CFE2
RGB	35, 207, 226
RGB Percent	14%, 81%, 89%
CMY	0.8628, 0.1882, 0.1137
CMYK	0.85, 0.08, 0.00, 0.11
HSL	186°, 77%, 51%
HSV	186°, 85%, 89%
XYZ	36.7326, 50.4740, 79.7599
YIQ	157.7380, -108.6110, -30.5550

Conversions

Conversions Part 2

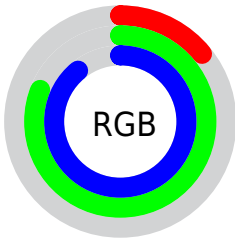
Format	Color
R _Y B	35, 126, 226
Decimal	2346978
CIE Lab	76.36, -33.90, -21.05
CIE LCh	76, 39.903, 211.838
Yxy	50.4740, 0.2200, 0.3023
Android (android.graphics.Color)	4280537058 (0xFF23CFE2)
YUV	157.7380, 33.6532, -107.6412
Hunter-Lab	71.0451, -32.0384, -16.8314

Details

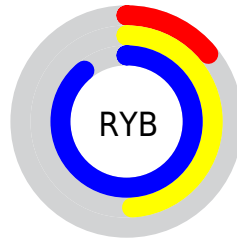
The Yxy color **50.4740, 0.2200, 0.3023** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.9269, 0.5952, 0.3415**, and the grayscale version is **33.9469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **25.3967, 0.2150, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **49.1183, 0.2170, 0.2989**, and if you desaturate by 10%, it is **52.1029, 0.2248, 0.3058**.

Distribution



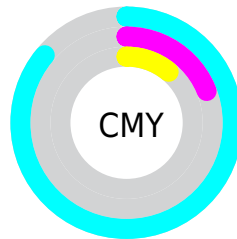
- Red (14%)
- Green (81%)
- Blue (89%)



- Red (14%)
- Yellow (49%)
- Blue (89%)



- Cyan (85%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (86%)
- Magenta (19%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4740, 0.2200, 0.3023 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 50.4740, 0.2200, 0.3023 by changing the saturation by 10% instead.

50.4740, 0.2200,
0.3023

50.4740, 0.2200,
0.3023

388.5167, 0.2639,
0.3169

35.7902, 0.2098,
0.2984

90.8768, 0.2354,
0.3079

24.2722, 0.1973,
0.2932

117.3645, 0.2413,
0.3099

15.5356, 0.1814,
0.2860

148.5557, 0.2464,
0.3116

9.1962, 0.1609,
0.2758

184.8347, 0.2508,
0.3130

4.8694, 0.1336,
0.2603

226.5859, 0.2547,
0.3142

2.1708, 0.0968,
0.2349

274.1937, 0.2581,

0.7040, 0.0000,

0.3152

0.1964

328.0425, 0.2612,
0.3161

0.0000, 0.0000,
0.0000

50.4740, 0.2200,
0.3023

50.4740, 0.2200,
0.3023

49.1183, 0.2170,
0.2989

52.1029, 0.2248,
0.3058

48.4516, 0.2159,
0.2970

54.0418, 0.2316,
0.3092

56.3273, 0.2402,
0.3127

58.9893, 0.2507,
0.3160

62.0545, 0.2628,
0.3193

■ 65.5468, 0.2761,
0.3223

■ 69.4886, 0.2906,
0.3252

■ 73.9003, 0.3057,
0.3279

■ 78.8013, 0.3213,
0.3303

Harmonies

Analogous

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



50.4740, 0.2466, 0.3562



50.4740, 0.2200, 0.3023



50.4740, 0.2161, 0.2629

Triad

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



50.4740, 0.2200, 0.3023



50.4740, 0.3269, 0.2668



50.4740, 0.3922, 0.4167

Complementary

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



50.4740, 0.2200, 0.3023



18.9269, 0.5952, 0.3415

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.



50.4740, 0.4189, 0.3836



50.4740, 0.2200, 0.3023



50.4740, 0.3803, 0.3004

Square

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



50.4740, 0.2200, 0.3023



50.4740, 0.2738, 0.2468



50.4740, 0.4151, 0.3417



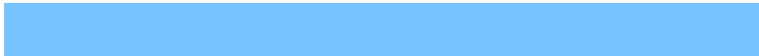
50.4740, 0.3453, 0.4276

Rectangle

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



50.4740, 0.2200, 0.3023



50.4740, 0.2261, 0.2483



50.4740, 0.4151, 0.3417



50.4740, 0.4040, 0.4074

Sweetspot

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



50.4758, 0.2200, 0.3023



85.8697, 0.2753, 0.3221



54.9900, 0.2976, 0.5746



18.0207, 0.2704, 0.3211



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.



50.4758, 0.2200, 0.3023



63.6119, 0.2158, 0.2968



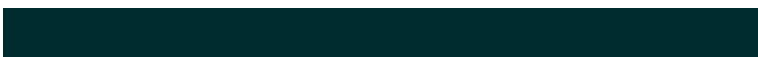
18.0122, 0.1817, 0.1596



15.3271, 0.2982, 0.3266



27.7400, 0.2160, 0.2976



1.9911, 0.2175, 0.3028

Inverse Universe

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



21.8754, 0.3429, 0.1735



26.9528, 0.3482, 0.1692



36.9749, 0.4914, 0.4325



13.9109, 0.3153, 0.3082



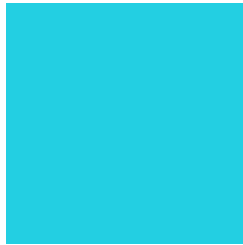
11.7084, 0.3476, 0.1688



0.8185, 0.3429, 0.1663

Previews

White Background



This preview shows how the Yxy color 50.4740, 0.2200, 0.3023 looks on a white background.

Color Contrast Check

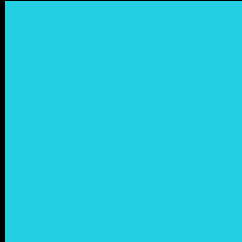
Large Text (above 18pt) WCAG AA × Fail

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 50.4740, 0.2200, 0.3023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

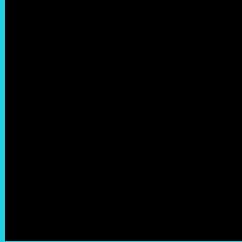
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4740, 0.2200, 0.3023

Background



This preview shows how black text looks on a background with the Yxy color 50.4740, 0.2200, 0.3023.

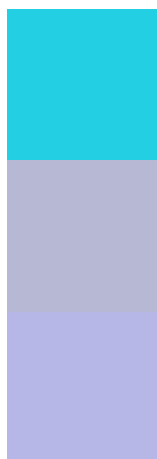


This preview shows how white text looks on a background with the Yxy color 50.4740, 0.2200, 0.3023.

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

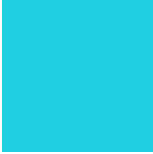
50.4740, 0.2200, 0.3023

Protanopia

49.5187, 0.2910, 0.2955

Deuteranopia

49.5816, 0.2772, 0.2713



Tritanopia

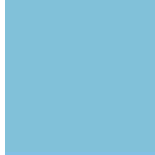
50.3145, 0.2204, 0.3049

Trichromacy



Original Color

50.4740, 0.2200, 0.3023



Protanomaly

47.8168, 0.2522, 0.2966



Deuteranomaly

48.0235, 0.2455, 0.2804



Tritanomaly

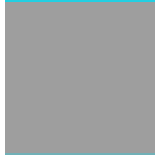
50.3852, 0.2201, 0.3036

Monochromacy



Original Color

50.4740, 0.2200, 0.3023



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.9803, 0.2587, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4740, 0.2200, 0.3023 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(35, 207, 226)` looks like.

```
.text, #text, p{  
    color:rgb(35, 207, 226)  
}
```

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(35, 207, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 207, 226) }
```

Border

The CSS property to change the border of an element to Yxy 50.4740, 0.2200, 0.3023 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(35, 207, 226) }
```

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

```
.border{ border-color:rgb(35, 207, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 207, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 207, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 207, 226);  
box-shadow:4px 4px 4px 4px rgb(35, 207,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4740, 0.2200, 0.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 207, 226) }
```

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

```
.background{ background-color: rgb(35, 207,  
226) }
```

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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