

Converting Colors

$Y_{xy}(38.0987, 0.2209, 0.2918)$

Have a look what the booklet for
Yxy(38.0987, 0.2209, 0.2918)
contains.

Yxy(38.1336, 0.2210, 0.2920)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.1336, 0.2210, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	32B5CD
RGB	50, 181, 205
RGB Percent	20%, 71%, 80%
CMY	0.8036, 0.2902, 0.1961
CMYK	0.76, 0.12, 0.00, 0.20
HSL	189°, 61%, 50%
HSV	189°, 76%, 80%
XYZ	28.8614, 38.1336, 63.5995
YIQ	144.5670, -85.7800, -20.3080

Conversions

Conversions Part 2

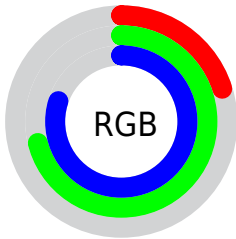
Format	Color
R _{YB}	50, 121, 205
Decimal	3323341
CIE Lab	68.12, -26.51, -22.15
CIE LCh	68, 34.548, 219.880
Yxy	38.1336, 0.2210, 0.2920
Android (android.graphics.Color)	4281513421 (0xFF32B5CD)
YUV	144.5670, 29.7935, -82.9353
Hunter-Lab	61.7524, -24.6407, -17.8368

Details

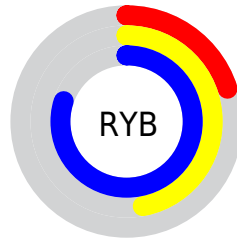
The Yxy color **38.1336, 0.2210, 0.2920** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **18.1193, 0.5492, 0.3528**, and the grayscale version is **28.0429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7814, 0.2403, 0.3076**, and **17.6727, 0.2113, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **36.4474, 0.2156, 0.2865**, and if you desaturate by 10%, it is **40.0852, 0.2283, 0.2975**.

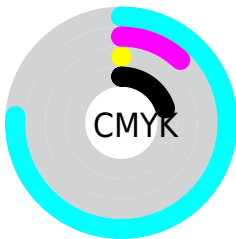
Distribution



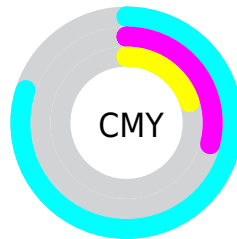
- Red (20%)
- Green (71%)
- Blue (80%)



- Red (20%)
- Yellow (47%)
- Blue (80%)



- Cyan (76%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)





- Cyan (80%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1336, 0.2210, 0.2920 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 38.1336, 0.2210, 0.2920 by changing the saturation by 10% instead.


 38.1336, 0.2210,
0.2920


 38.1336, 0.2210,
0.2920


338.1927, 0.2665,
0.3124

 26.0864, 0.2099,
0.2864

 72.3129, 0.2374,
0.2998


 16.8883, 0.1959,
0.2789


 95.2137, 0.2436,
0.3026

 10.1549, 0.1777,
0.2685


 122.5012, 0.2489,
0.3050

 5.5018, 0.1534,
0.2532

 154.5598, 0.2534,
0.3069

 2.5446, 0.1200,
0.2292

 191.7739, 0.2573,
0.3086

 0.8989, 0.0447,
0.1941

234.5278, 0.2608,

 0.0000, 0.0000,

0.3100

0.0000

283.2059, 0.2638,
0.3113

■ 38.1336, 0.2210,
0.2920

■ 38.1336, 0.2210,
0.2920

■ 36.4474, 0.2156,
0.2865

■ 40.0852, 0.2283,
0.2975

■ 34.9884, 0.2120,
0.2810

■ 42.3259, 0.2376,
0.3030

■ 34.3868, 0.2107,
0.2786

■ 44.8811, 0.2485,
0.3083

■ 47.7720, 0.2609,
0.3134

■ 51.0178, 0.2745,
0.3182

■ 54.6365, 0.2891,
0.3227

■ 58.6444, 0.3042,
0.3269

■ 63.0569, 0.3195,
0.3306

■ 67.8886, 0.3350,
0.3340

Harmonies

Analogous

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



38.1336, 0.2409, 0.3407



38.1336, 0.2210, 0.2920



38.1336, 0.2231, 0.2594

Triad

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



38.1336, 0.2210, 0.2920



38.1336, 0.3406, 0.2772



38.1336, 0.3781, 0.4179

Complementary

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



38.1336, 0.2210, 0.2920



18.1193, 0.5492, 0.3528

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.



38.1336, 0.4096, 0.3912



38.1336, 0.2210, 0.2920



38.1336, 0.3882, 0.3120

Square

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



38.1336, 0.2210, 0.2920



38.1336, 0.2884, 0.2540



38.1336, 0.4140, 0.3525



38.1336, 0.3304, 0.4200

Rectangle

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



38.1336, 0.2210, 0.2920



38.1336, 0.2365, 0.2489



38.1336, 0.4140, 0.3525



38.1336, 0.3910, 0.4111

Sweetspot

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



38.1350, 0.2210, 0.2920



84.8607, 0.2778, 0.3193



44.8303, 0.2938, 0.5406



17.7216, 0.2726, 0.3176



0.0000, 0.0000, 0.0000



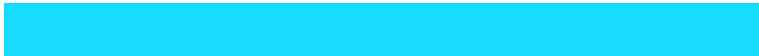
21.4041, 0.3127, 0.3290

Same Dimension

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



38.1350, 0.2210, 0.2920



58.0870, 0.2130, 0.2829



15.0492, 0.1880, 0.1634



12.4194, 0.2983, 0.3253



21.5196, 0.2110, 0.2794



1.1921, 0.2139, 0.2900

Inverse Universe

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



18.6036, 0.3510, 0.1884



26.9875, 0.3605, 0.1791



35.2731, 0.4601, 0.4412



11.3727, 0.3161, 0.3096



9.9754, 0.3640, 0.1779



0.5229, 0.3543, 0.1725

Previews

White Background



This preview shows how the Yxy color 38.1336, 0.2210, 0.2920 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 38.1336, 0.2210, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

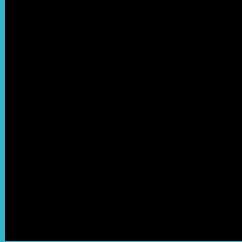
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1336, 0.2210, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 38.1336, 0.2210, 0.2920.



This preview shows how white text looks on a background with the Yxy color 38.1336, 0.2210, 0.2920.

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

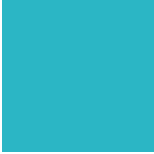
38.1336, 0.2210, 0.2920

Protanopia

37.4156, 0.2844, 0.2875

Deuteranopia

37.7132, 0.2717, 0.2659



Tritanopia

38.0007, 0.2233, 0.3052

Trichromacy



Original Color

38.1336, 0.2210, 0.2920

Protanomaly

36.7026, 0.2525, 0.2890

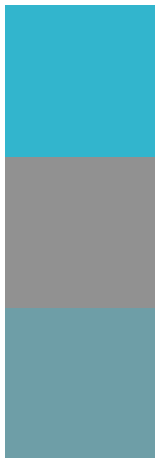
Deuteranomaly

36.8519, 0.2457, 0.2728

Tritanomaly

38.2069, 0.2227, 0.3008

Monochromacy



Original Color

38.1336, 0.2210, 0.2920

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.5587, 0.2634, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1336, 0.2210, 0.2920 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(50, 181, 205)` looks like.

```
.text, #text, p{  
    color:rgb(50, 181, 205)  
}
```

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(50, 181, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 181, 205) }
```

Border

The CSS property to change the border of an element to Yxy 38.1336, 0.2210, 0.2920 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(50, 181, 205) }
```

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

```
.border{ border-color:rgb(50, 181, 205) }
```

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

Here you see how a box with a 4 pixel rgb(50, 181, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 181, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 181, 205);  
box-shadow:4px 4px 4px 4px rgb(50, 181,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1336, 0.2210, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 181, 205) }
```

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

```
.background{ background-color: rgb(50, 181,  
205) }
```

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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