

Converting Colors

$Yxy(38.0926, 0.2198, 0.2871)$

Have a look what the booklet for
Yxy(38.0926, 0.2198, 0.2871)
contains.

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Color

Yxy(37.9004, 0.2195, 0.2862)

Conversions

Conversions Part 1

Format	Color
Hex	33B4D0
RGB	51, 180, 208
RGB Percent	20%, 71%, 82%
CMY	0.8004, 0.2941, 0.1843
CMYK	0.76, 0.13, 0.00, 0.18
HSL	191°, 63%, 51%
HSV	191°, 76%, 82%
XYZ	29.0676, 37.9004, 65.4583
YIQ	144.6210, -85.8720, -18.6400

Conversions

Conversions Part 2

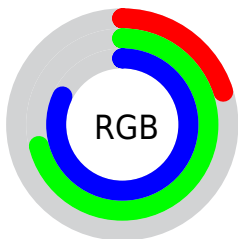
Format	Color
RYB	51, 122, 208
Decimal	3388624
CIELab	67.95, -24.97, -24.06
CIElCh	68, 34.678, 223.934
Yxy	37.9004, 0.2195, 0.2862
Android (android.graphics.Color)	4281578704 (0xFF33B4D0)
YUV	144.6210, 31.2458, -82.1056
Hunter-Lab	61.5633, -23.4557, -19.9469

Details

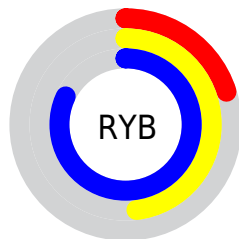
The Yxy color **37.9004, 0.2195, 0.2862** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **19.2248, 0.5454, 0.3567**, and the grayscale version is **28.0405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2759, 0.2404, 0.3064**, and **17.5118, 0.2091, 0.2729** is the 20% darker color. If you saturate the color by 10%, you get **36.0015, 0.2138, 0.2798**, and if you desaturate by 10%, it is **40.0834, 0.2272, 0.2926**.

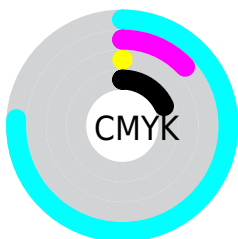
Distribution



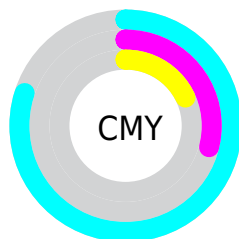
- Red (20%)
- Green (71%)
- Blue (82%)



- Red (20%)
- Yellow (48%)
- Blue (82%)



- Cyan (76%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)




- Cyan (80%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9004, 0.2195, 0.2862 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 37.9004, 0.2195, 0.2862 by changing the saturation by 10% instead.


 37.9004, 0.2195,
0.2862


 37.9004, 0.2195,
0.2862


337.1925, 0.2657,
0.3095

 25.9054, 0.2083,
0.2799


 71.9555, 0.2361,
0.2951


 16.7529, 0.1941,
0.2715

 94.7843, 0.2424,
0.2983


 10.0585, 0.1757,
0.2599

 121.9932, 0.2478,
0.3009

 5.4377, 0.1512,
0.2432

 153.9666, 0.2524,
0.3032

 2.5063, 0.1178,
0.2173

 191.0888, 0.2564,
0.3051

 0.8798, 0.0462,
0.1794

233.7442, 0.2599,

 0.0000, 0.0000,

0.3068

0.0000

282.3174, 0.2630,
0.3082

■ 37.9004, 0.2195,
0.2862

■ 37.9004, 0.2195,
0.2862

■ 36.0015, 0.2138,
0.2798

■ 40.0834, 0.2272,
0.2926

■ 34.3471, 0.2099,
0.2734

■ 42.5753, 0.2367,
0.2990

■ 33.6574, 0.2085,
0.2706

■ 45.4023, 0.2480,
0.3051

■ 48.5867, 0.2606,
0.3110

■ 52.1486, 0.2744,
0.3166

■ 56.1063, 0.2891,
0.3218

■ 60.4771, 0.3042,
0.3266

■ 65.2770, 0.3196,
0.3309

■ 70.5212, 0.3350,
0.3348

Harmonies

Analogous

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



37.9004, 0.2366, 0.3336



37.9004, 0.2195, 0.2862



37.9004, 0.2246, 0.2561

Triad

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



37.9004, 0.2195, 0.2862



37.9004, 0.3479, 0.2810



37.9004, 0.3726, 0.4205

Complementary

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



37.9004, 0.2195, 0.2862



19.2248, 0.5454, 0.3567

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.



37.9004, 0.4072, 0.3961



37.9004, 0.2195, 0.2862



37.9004, 0.3937, 0.3172

Square

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



37.9004, 0.2195, 0.2862



37.9004, 0.2950, 0.2559



37.9004, 0.4159, 0.3581



37.9004, 0.3235, 0.4184

Rectangle

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



37.9004, 0.2195, 0.2862



37.9004, 0.2399, 0.2475



37.9004, 0.4159, 0.3581



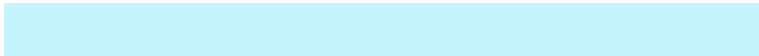
37.9004, 0.3864, 0.4147

Sweetspot

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



37.9018, 0.2195, 0.2862



84.0355, 0.2777, 0.3178



46.3508, 0.2928, 0.5373



17.5190, 0.2724, 0.3159



0.0000, 0.0000, 0.0000



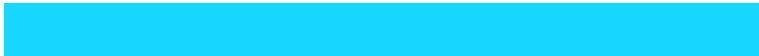
21.4041, 0.3127, 0.3290

Same Dimension

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



37.9018, 0.2195, 0.2862



55.3196, 0.2110, 0.2756



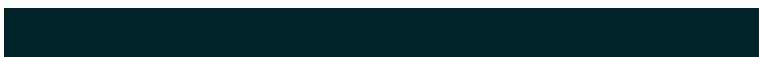
15.0092, 0.1869, 0.1592



13.0338, 0.2983, 0.3248



21.1051, 0.2087, 0.2715



1.2761, 0.2120, 0.2831

Inverse Universe

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



19.0648, 0.3561, 0.1916



26.7082, 0.3672, 0.1829



37.3028, 0.4574, 0.4439



11.9714, 0.3165, 0.3101



10.2018, 0.3714, 0.1820



0.5801, 0.3606, 0.1760

Previews

White Background



This preview shows how the Yxy color 37.9004, 0.2195, 0.2862 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 37.9004, 0.2195, 0.2862 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 37.9004, 0.2195, 0.2862

Background



This preview shows how black text looks on a background with the Yxy color 37.9004, 0.2195, 0.2862.

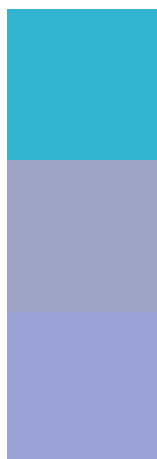


This preview shows how white text looks on a background with the Yxy color 37.9004, 0.2195, 0.2862.

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

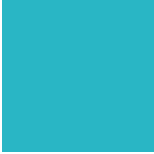
37.9004, 0.2195, 0.2862

Protanopia

37.3480, 0.2805, 0.2834

Deuteranopia

37.2118, 0.2671, 0.2606



Tritanopia

37.9585, 0.2229, 0.3052

Trichromacy



Original Color

37.9004, 0.2195, 0.2862



Protanomaly

36.3976, 0.2498, 0.2833



Deuteranomaly

36.4903, 0.2424, 0.2673



Tritanomaly

37.8227, 0.2216, 0.2977

Monochromacy



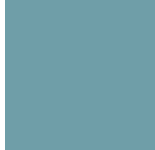
Original Color

37.9004, 0.2195, 0.2862



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.6604, 0.2635, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9004, 0.2195, 0.2862 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(51, 180, 208)` looks like.

```
.text, #text, p{  
    color:rgb(51, 180, 208)  
}
```

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(51, 180, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 180, 208) }
```

Border

The CSS property to change the border of an element to Yxy 37.9004, 0.2195, 0.2862 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(51, 180, 208) }
```

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

```
.border{ border-color:rgb(51, 180, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 180, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 180, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 180, 208);  
box-shadow:4px 4px 4px 4px rgb(51, 180,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9004, 0.2195, 0.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 180, 208) }
```

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

```
.background{ background-color: rgb(51, 180,  
208) }
```

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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