

Converting Colors

$Yxy(37.9601, 0.2196, 0.2936)$

Have a look what the booklet for
Yxy(37.9601, 0.2196, 0.2936)
contains.

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Color

Yxy(37.8996, 0.2196, 0.2933)

Conversions

Conversions Part 1

Format	Color
Hex	2AB5CC
RGB	42, 181, 204
RGB Percent	16%, 71%, 80%
CMY	0.8354, 0.2902, 0.2000
CMYK	0.79, 0.11, 0.00, 0.20
HSL	189°, 66%, 48%
HSV	189°, 79%, 80%
XYZ	28.3762, 37.8996, 62.9420
YIQ	142.0610, -90.2270, -22.3150

Conversions

Conversions Part 2

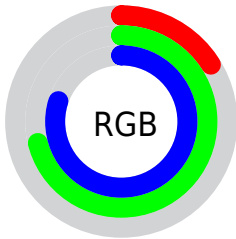
Format	Color
R_{YB}	42, 117, 204
Decimal	2799052
CIE _{Lab}	67.95, -27.66, -21.87
CIE _{LCh}	68, 35.264, 218.331
Yxy	37.8996, 0.2196, 0.2933
Android (android.graphics.Color)	4280989132 (0xFF2AB5CC)
YUV	142.0610, 30.5359, -87.7535
Hunter-Lab	61.5627, -25.4581, -17.5246

Details

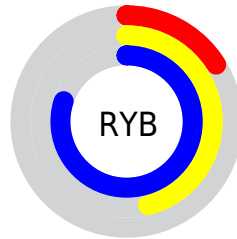
The Yxy color **37.8996, 0.2196, 0.2933** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **16.7813, 0.5670, 0.3497**, and the grayscale version is **26.9782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4332, 0.2385, 0.3075**, and **17.6404, 0.2118, 0.2826** is the 20% darker color. If you saturate the color by 10%, you get **36.4099, 0.2151, 0.2883**, and if you desaturate by 10%, it is **39.6352, 0.2260, 0.2983**.

Distribution



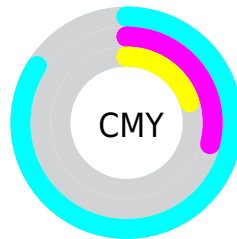
- Red (16%)
- Green (71%)
- Blue (80%)



- Red (16%)
- Yellow (46%)
- Blue (80%)



- Cyan (79%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)





- Cyan (84%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8996, 0.2196, 0.2933 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 37.8996, 0.2196, 0.2933 by changing the saturation by 10% instead.


 37.8996, 0.2196,
0.2933


 37.8996, 0.2196,
0.2933


337.1891, 0.2658,
0.3131


 25.9048, 0.2083,
0.2878


 71.9542, 0.2362,
0.3009


 16.7524, 0.1941,
0.2804

 94.7828, 0.2425,
0.3037


 10.0581, 0.1756,
0.2701


 121.9914, 0.2479,
0.3059

 5.4375, 0.1509,
0.2550

 153.9645, 0.2525,
0.3078

 2.5062, 0.1171,
0.2310

 191.0864, 0.2565,
0.3094

 0.8797, 0.0360,
0.1968

233.7416, 0.2600,

 0.0000, 0.0000,

0.3108

0.0000

282.3143, 0.2631,
0.3120

■ 37.8996, 0.2196,
0.2933

■ 37.8996, 0.2196,
0.2933

■ 36.4099, 0.2151,
0.2883

■ 39.6352, 0.2260,
0.2983

■ 35.1109, 0.2121,
0.2834

■ 41.6419, 0.2344,
0.3033

■ 35.0376, 0.2120,
0.2831

■ 43.9461, 0.2445,
0.3082

■ 46.5695, 0.2562,
0.3130

■ 49.5320, 0.2693,
0.3175

■ 52.8515, 0.2834,
0.3217

■ 56.5447, 0.2983,
0.3256

■ 60.6272, 0.3136,
0.3292

■ 65.1136, 0.3291,
0.3324

Harmonies

Analogous

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



37.8996, 0.2410, 0.3437



37.8996, 0.2196, 0.2933



37.8996, 0.2206, 0.2591

Triad

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



37.8996, 0.2196, 0.2933



37.8996, 0.3384, 0.2745



37.8996, 0.3816, 0.4190

Complementary

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



37.8996, 0.2196, 0.2933



16.7813, 0.5670, 0.3497

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.



37.8996, 0.4127, 0.3905



37.8996, 0.2196, 0.2933



37.8996, 0.3878, 0.3096

Square

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



37.8996, 0.2196, 0.2933



37.8996, 0.2853, 0.2517



37.8996, 0.4157, 0.3507



37.8996, 0.3334, 0.4229

Rectangle

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



37.8996, 0.2196, 0.2933



37.8996, 0.2335, 0.2478



37.8996, 0.4157, 0.3507



37.8996, 0.3945, 0.4115

Sweetspot

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



37.9010, 0.2196, 0.2933



84.7666, 0.2764, 0.3197



44.0403, 0.2949, 0.5536



17.7268, 0.2714, 0.3181



0.0000, 0.0000, 0.0000



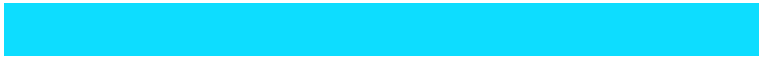
21.4041, 0.3127, 0.3290

Same Dimension

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



37.9010, 0.2196, 0.2933



58.8185, 0.2130, 0.2849



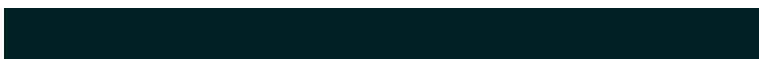
14.2343, 0.1843, 0.1586



12.4450, 0.2983, 0.3256



22.1585, 0.2122, 0.2838



1.2194, 0.2149, 0.2934

Inverse Universe

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



17.8278, 0.3503, 0.1833



26.7420, 0.3588, 0.1764



33.1296, 0.4703, 0.4404



11.3753, 0.3159, 0.3093



10.0399, 0.3600, 0.1757



0.5256, 0.3512, 0.1709

Previews

White Background



This preview shows how the Yxy color 37.8996, 0.2196, 0.2933 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 37.8996, 0.2196, 0.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

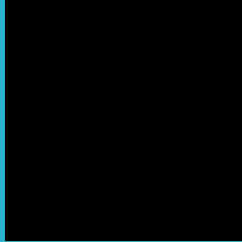
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8996, 0.2196, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 37.8996, 0.2196, 0.2933.



This preview shows how white text looks on a background with the Yxy color 37.8996, 0.2196, 0.2933.

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

37.8996, 0.2196, 0.2933

Protanopia

37.3711, 0.2852, 0.2888

Deuteranopia

37.2119, 0.2715, 0.2656



Tritanopia

37.8444, 0.2217, 0.3051

Trichromacy



Original Color

37.8996, 0.2196, 0.2933



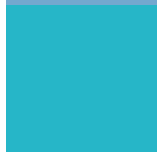
Protanomaly

36.4480, 0.2511, 0.2902



Deuteranomaly

36.1551, 0.2435, 0.2723



Tritanomaly

38.0381, 0.2210, 0.3007

Monochromacy



Original Color

37.8996, 0.2196, 0.2933



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.5577, 0.2614, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8996, 0.2196, 0.2933 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(42, 181, 204)` looks like.

```
.text, #text, p{  
    color:rgb(42, 181, 204)  
}
```

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(42, 181, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 181, 204) }
```

Border

The CSS property to change the border of an element to Yxy 37.8996, 0.2196, 0.2933 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(42, 181, 204) }
```

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

```
.border{ border-color:rgb(42, 181, 204) }
```

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

Here you see how a box with a 4 pixel rgb(42, 181, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 181, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 181, 204);  
box-shadow:4px 4px 4px 4px rgb(42, 181,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8996, 0.2196, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 181, 204) }
```

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

```
.background{ background-color: rgb(42, 181,  
204) }
```

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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