

Converting Colors

$Y_{xy}(37.2232, 0.2206, 0.2829)$

Have a look what the booklet for
Yxy(37.2232, 0.2206, 0.2829)
contains.

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Color

Yxy(37.2944, 0.2206, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	3AB2D0
RGB	58, 178, 208
RGB Percent	23%, 70%, 82%
CMY	0.7725, 0.3020, 0.1843
CMYK	0.72, 0.14, 0.00, 0.18
HSL	192°, 61%, 52%
HSV	192°, 72%, 82%
XYZ	29.0507, 37.2944, 65.3442
YIQ	145.5400, -81.1500, -16.1100

Conversions

Conversions Part 2

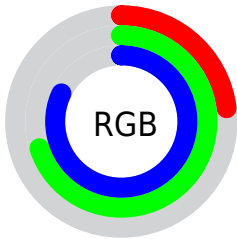
Format	Color
RYB	58, 125, 208
Decimal	3846864
CIELab	67.50, -23.10, -24.74
CIELCh	67, 33.846, 226.962
Yxy	37.2944, 0.2206, 0.2832
Android (android.graphics.Color)	4282036944 (0xFF3AB2D0)
YUV	145.5400, 30.7928, -76.7726
Hunter-Lab	61.0691, -21.9584, -20.6921

Details

The Yxy color **37.2944, 0.2206, 0.2832** 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 **20.6969, 0.5276, 0.3608**, and the grayscale version is **28.4448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4256, 0.2415, 0.3041**, and **17.0003, 0.2079, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **35.1625, 0.2139, 0.2759**, and if you desaturate by 10%, it is **39.7309, 0.2292, 0.2905**.

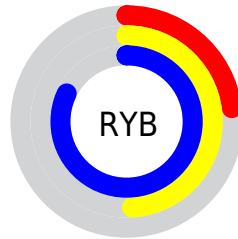
Distribution



Red (23%)

Green (70%)

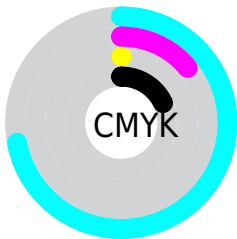
Blue (82%)



Red (23%)

Yellow (49%)

Blue (82%)

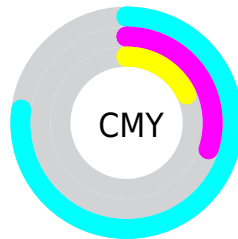


Cyan (72%)

Magenta (14%)

Yellow (0%)

Black (18%)



Cyan (77%)


Magenta (30%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2944, 0.2206, 0.2832 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 37.2944, 0.2206, 0.2832 by changing the saturation by 10% instead.


 37.2944, 0.2206,
0.2832


 37.2944, 0.2206,
0.2832


334.5834, 0.2664,
0.3080


 25.4355, 0.2094,
0.2765


 71.0253, 0.2371,
0.2926


 16.4018, 0.1953,
0.2677


 93.6662, 0.2433,
0.2960


 9.8089, 0.1770,
0.2555


 120.6698, 0.2487,
0.2988

 5.2725, 0.1525,
0.2380

 152.4206, 0.2532,
0.3012

 2.4080, 0.1190,
0.2111

 189.3030, 0.2572,
0.3033

 0.8300, 0.0465,
0.1716

231.7013, 0.2606,

 0.0000, 0.0000,

0.3051

0.0000

279.9999, 0.2637,
0.3066

■ 37.2944, 0.2206,
0.2832

■ 37.2944, 0.2206,
0.2832

■ 35.1625, 0.2139,
0.2759

■ 39.7309, 0.2292,
0.2905

■ 33.2982, 0.2091,
0.2686

■ 42.4954, 0.2397,
0.2976

■ 31.9725, 0.2064,
0.2629

■ 45.6134, 0.2517,
0.3045

■ 49.1062, 0.2650,
0.3110

■ 52.9935, 0.2793,
0.3171

■ 57.2935, 0.2942,
0.3228

■ 62.0230, 0.3095,
0.3280

■ 67.1978, 0.3248,
0.3327

■ 72.8331, 0.3401,
0.3368

Harmonies

Analogous

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



37.2944, 0.2353, 0.3284



37.2944, 0.2206, 0.2832



37.2944, 0.2278, 0.2556

Triad

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



37.2944, 0.2206, 0.2832



37.2944, 0.3525, 0.2851



37.2944, 0.3672, 0.4199

Complementary

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



37.2944, 0.2206, 0.2832



20.6969, 0.5276, 0.3608

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.



37.2944, 0.4031, 0.3982



37.2944, 0.2206, 0.2832



37.2944, 0.3957, 0.3215

Square

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



37.2944, 0.2206, 0.2832



37.2944, 0.3004, 0.2589



37.2944, 0.4144, 0.3618



37.2944, 0.3183, 0.4146

Rectangle

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



37.2944, 0.2206, 0.2832



37.2944, 0.2442, 0.2484



37.2944, 0.4144, 0.3618



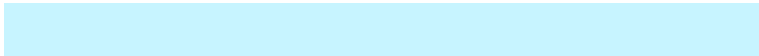
37.2944, 0.3812, 0.4151

Sweetspot

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



37.2957, 0.2206, 0.2832



83.9169, 0.2790, 0.3170



46.7184, 0.2907, 0.5211



17.5866, 0.2751, 0.3154



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.



37.2957, 0.2206, 0.2832



53.9489, 0.2108, 0.2716



15.1556, 0.1897, 0.1599



12.9886, 0.2983, 0.3242



20.0652, 0.2067, 0.2640



1.2265, 0.2103, 0.2772

Inverse Universe

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



19.6517, 0.3583, 0.1980



27.0405, 0.3707, 0.1874



39.9123, 0.4461, 0.4465



11.9668, 0.3168, 0.3106



10.0969, 0.3786, 0.1859



0.5751, 0.3661, 0.1790

Previews

White Background



This preview shows how the Yxy color 37.2944, 0.2206, 0.2832 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 37.2944, 0.2206, 0.2832 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 37.2944, 0.2206, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 37.2944, 0.2206, 0.2832.

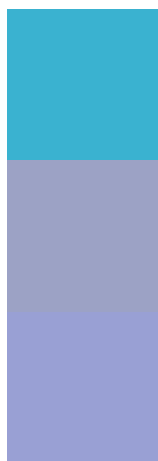


This preview shows how white text looks on a background with the Yxy color 37.2944, 0.2206, 0.2832.

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

37.2944, 0.2206, 0.2832

Protanopia

36.9398, 0.2788, 0.2806

Deuteranopia

36.6674, 0.2654, 0.2589



Tritanopia

37.2356, 0.2248, 0.3051

Trichromacy



Original Color

37.2944, 0.2206, 0.2832

Protanomaly

36.2154, 0.2502, 0.2806

Deuteranomaly

36.1921, 0.2428, 0.2659

Tritanomaly

37.1404, 0.2229, 0.2961

Monochromacy



Original Color

37.2944, 0.2206, 0.2832

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.8957, 0.2650, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2944, 0.2206, 0.2832 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(58, 178, 208)` looks like.

```
.text, #text, p{  
    color:rgb(58, 178, 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(58, 178, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 178, 208) }
```

Border

The CSS property to change the border of an element to Yxy 37.2944, 0.2206, 0.2832 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(58, 178, 208) }
```

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

```
.border{ border-color:rgb(58, 178, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 178, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 178, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 178, 208);  
box-shadow:4px 4px 4px 4px rgb(58, 178,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2944, 0.2206, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 178, 208) }
```

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

```
.background{ background-color: rgb(58, 178,  
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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