

Converting Colors

$Y_{xy}(37.4250, 0.2173, 0.2781)$

Have a look what the booklet for
Yxy(37.4250, 0.2173, 0.2781)
contains.

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Color

Yxy(37.3243, 0.2173, 0.2775)

Conversions

Conversions Part 1

Format	Color
Hex	34B2D4
RGB	52, 178, 212
RGB Percent	20%, 70%, 83%
CMY	0.7953, 0.3020, 0.1686
CMYK	0.75, 0.16, 0.00, 0.17
HSL	193°, 65%, 52%
HSV	193°, 75%, 83%
XYZ	29.2273, 37.3243, 67.9504
YIQ	144.2020, -86.0100, -16.1380

Conversions

Conversions Part 2

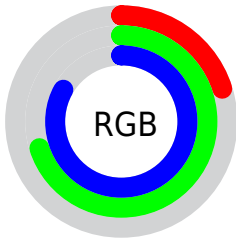
Format	Color
RYB	52, 122, 212
Decimal	3453652
CIELab	67.52, -22.51, -26.91
CIELCh	68, 35.089, 230.086
Yxy	37.3243, 0.2173, 0.2775
Android (android.graphics.Color)	4281643732 (0xFF34B2D4)
YUV	144.2020, 33.4244, -80.8612
Hunter-Lab	61.0936, -21.5192, -23.1788

Details

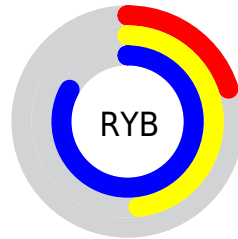
The Yxy color **37.3243, 0.2173, 0.2775** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **20.9358, 0.5391, 0.3627**, and the grayscale version is **27.8869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2032, 0.2403, 0.3040**, and **17.1016, 0.2064, 0.2630** is the 20% darker color. If you saturate the color by 10%, you get **35.1156, 0.2111, 0.2697**, and if you desaturate by 10%, it is **39.8474, 0.2255, 0.2853**.

Distribution



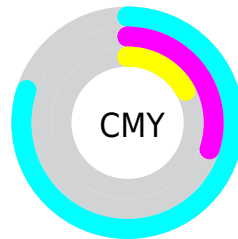
- Red (20%)
- Green (70%)
- Blue (83%)



- Red (20%)
- Yellow (48%)
- Blue (83%)



- Cyan (75%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)




- Cyan (80%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3243, 0.2173, 0.2775 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 37.3243, 0.2173, 0.2775 by changing the saturation by 10% instead.


 37.3243, 0.2173,
0.2775


 37.3243, 0.2173,
0.2775


334.7124, 0.2646,
0.3051

 25.4587, 0.2058,
0.2701


 71.0713, 0.2343,
0.2879

 16.4191, 0.1914,
0.2604


 93.7214, 0.2407,
0.2917


 9.8212, 0.1727,
0.2472


 120.7352, 0.2462,
0.2949

 5.2806, 0.1479,
0.2284

 152.4970, 0.2509,
0.2976

 2.4128, 0.1144,
0.2000

 189.3913, 0.2550,
0.2999

 0.8325, 0.0460,
0.1585

231.8023, 0.2586,

 0.0000, 0.0000,

0.3019

0.0000

280.1146, 0.2618,
0.3036

■ 37.3243, 0.2173,
0.2775

■ 37.3243, 0.2173,
0.2775

■ 35.1156, 0.2111,
0.2697

■ 39.8474, 0.2255,
0.2853

■ 33.1800, 0.2067,
0.2619

■ 42.7115, 0.2355,
0.2930

■ 32.3471, 0.2051,
0.2584

■ 45.9441, 0.2472,
0.3005

■ 49.5687, 0.2603,
0.3076

■ 53.6064, 0.2744,
0.3143

■ 58.0770, 0.2892,
0.3205

■ 62.9984, 0.3045,
0.3262

■ 68.3878, 0.3198,
0.3313

■ 74.2613, 0.3351,
0.3359

Harmonies

Analogous

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



37.3243, 0.2300, 0.3228



37.3243, 0.2173, 0.2775



37.3243, 0.2270, 0.2513

Triad

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



37.3243, 0.2173, 0.2775



37.3243, 0.3593, 0.2871



37.3243, 0.3640, 0.4242

Complementary

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



37.3243, 0.2173, 0.2775



20.9358, 0.5391, 0.3627

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.



37.3243, 0.4034, 0.4037



37.3243, 0.2173, 0.2775



37.3243, 0.4021, 0.3253

Square

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



37.3243, 0.2173, 0.2775



37.3243, 0.3054, 0.2588



37.3243, 0.4183, 0.3669



37.3243, 0.3128, 0.4155

Rectangle

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



37.3243, 0.2173, 0.2775



37.3243, 0.2454, 0.2454



37.3243, 0.4183, 0.3669



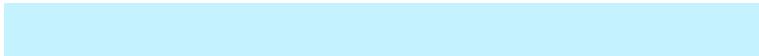
37.3243, 0.3791, 0.4200

Sweetspot

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



37.3256, 0.2173, 0.2775



82.8156, 0.2775, 0.3156



48.4649, 0.2907, 0.5302



17.2198, 0.2722, 0.3133



0.0000, 0.0000, 0.0000



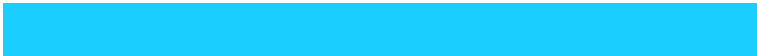
21.4041, 0.3127, 0.3290

Same Dimension

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



37.3256, 0.2173, 0.2775



51.6509, 0.2084, 0.2653



14.6300, 0.1849, 0.1513



13.6383, 0.2982, 0.3239



20.1201, 0.2054, 0.2595



1.3282, 0.2091, 0.2728

Inverse Universe

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



19.6848, 0.3639, 0.1966



26.4407, 0.3768, 0.1888



40.8191, 0.4519, 0.4492



12.5853, 0.3170, 0.3108



10.3760, 0.3829, 0.1883



0.6374, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 37.3243, 0.2173, 0.2775 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 37.3243, 0.2173, 0.2775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

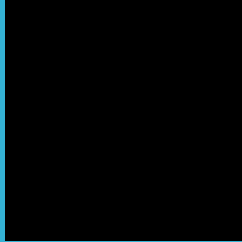
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3243, 0.2173, 0.2775

Background



This preview shows how black text looks on a background with the Yxy color 37.3243, 0.2173, 0.2775.

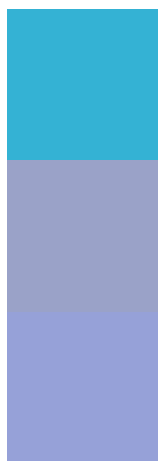


This preview shows how white text looks on a background with the Yxy color 37.3243, 0.2173, 0.2775.

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

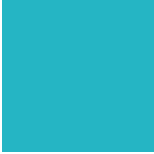
37.3243, 0.2173, 0.2775

Protanopia

36.8808, 0.2749, 0.2765

Deuteranopia

36.9316, 0.2606, 0.2551



Tritanopia

37.4266, 0.2221, 0.3051

Trichromacy



Original Color

37.3243, 0.2173, 0.2775

Protanomaly

36.1468, 0.2465, 0.2764

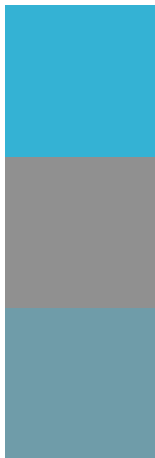
Deuteranomaly

36.1211, 0.2382, 0.2605

Tritanomaly

37.4204, 0.2203, 0.2946

Monochromacy



Original Color

37.3243, 0.2173, 0.2775

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.0210, 0.2623, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3243, 0.2173, 0.2775 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(52, 178, 212)` looks like.

```
.text, #text, p{  
    color:rgb(52, 178, 212)  
}
```

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(52, 178, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 178, 212) }
```

Border

The CSS property to change the border of an element to Yxy 37.3243, 0.2173, 0.2775 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(52, 178, 212) }
```

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

```
.border{ border-color:rgb(52, 178, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 178, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 178, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 178, 212);  
box-shadow:4px 4px 4px 4px rgb(52, 178,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3243, 0.2173, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 178, 212) }
```

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

```
.background{ background-color: rgb(52, 178,  
212) }
```

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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