

Converting Colors

$Y_{xy}(33.9015, 0.2426, 0.3030)$

Have a look what the booklet for
Yxy(33.9015, 0.2426, 0.3030)
contains.

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Color

Yxy(33.7322, 0.2422, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	5BA8B9
RGB	91, 168, 185
RGB Percent	36%, 66%, 73%
CMY	0.6429, 0.3412, 0.2744
CMYK	0.51, 0.09, 0.00, 0.27
HSL	191°, 40%, 54%
HSV	191°, 51%, 73%
XYZ	27.0797, 33.7322, 50.9952
YIQ	146.9150, -51.3490, -11.0370

Conversions

Conversions Part 2

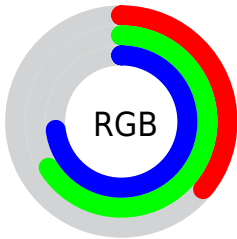
Format	Color
R_{YB}	91, 133, 185
Decimal	6006969
CIE _{Lab}	64.75, -19.05, -16.09
CIE _{LCh}	65, 24.939, 220.191
Yxy	33.7322, 0.2422, 0.3017
Android (android.graphics.Color)	4284197049 (0xFF5BA8B9)
YUV	146.9150, 18.7759, -49.0375
Hunter-Lab	58.0794, -18.4129, -11.4025

Details

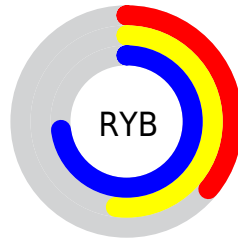
The Yxy color **33.7322, 0.2422, 0.3017** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.8170, 0.4415, 0.3532**, and the grayscale version is **29.0838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3293, 0.2554, 0.3073**, and **14.4179, 0.2211, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **31.6833, 0.2318, 0.2954**, and if you desaturate by 10%, it is **36.0474, 0.2541, 0.3078**.

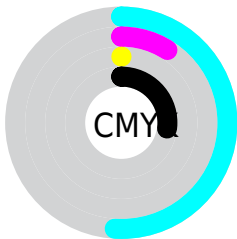
Distribution



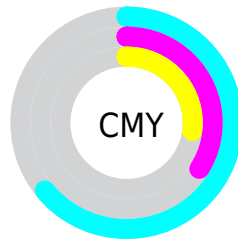
- Red (36%)
- Green (66%)
- Blue (73%)



- Red (36%)
- Yellow (52%)
- Blue (73%)



- Cyan (51%)
- Magenta (9%)
- Yellow (0%)
- Black (27%)



- Cyan (64%)
- Magenta (34%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7322, 0.2422, 0.3017 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 33.7322, 0.2422, 0.3017 by changing the saturation by 10% instead.


 33.7322, 0.2422,
0.3017


 33.7322, 0.2422,
0.3017


318.9363, 0.2784,
0.3169


 22.6879, 0.2329,
0.2974


 65.5170, 0.2555,
0.3076


 14.3633, 0.2209,
0.2916


 87.0263, 0.2605,
0.3097

 8.3737, 0.2049,
0.2833

 112.7928, 0.2647,
0.3114

 4.3350, 0.1823,
0.2706

 143.2008, 0.2682,
0.3129

 1.8627, 0.1489,
0.2495

178.6348, 0.2713,
0.3141

 0.5258, 0.0141,
0.2138

219.4791, 0.2740,

 0.0000, 0.0000,

0.3151

0.0000

266.1181, 0.2763,
0.3161

■ 33.7322, 0.2422,
0.3017

■ 33.7322, 0.2422,
0.3017

■ 31.6833, 0.2318,
0.2954

■ 36.0474, 0.2541,
0.3078

■ 29.8794, 0.2232,
0.2889

■ 38.6409, 0.2674,
0.3136

■ 28.3016, 0.2164,
0.2824

■ 41.5285, 0.2815,
0.3190

■ 26.9264, 0.2115,
0.2759

■ 44.7235, 0.2963,
0.3241

■ 25.7951, 0.2083,
0.2700

■ 48.2384, 0.3115,
0.3287

■ 52.0850, 0.3268,
0.3328

■ 56.2744, 0.3420,
0.3365

■ 60.8172, 0.3568,
0.3398

■ 65.2313, 0.3691,
0.3428

Harmonies

Analogous

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



33.7322, 0.2579, 0.3380



33.7322, 0.2422, 0.3017



33.7322, 0.2439, 0.2762

Triad

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



33.7322, 0.2422, 0.3017



33.7322, 0.3345, 0.2894



33.7322, 0.3625, 0.3963

Complementary

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



33.7322, 0.2422, 0.3017



21.8170, 0.4415, 0.3532

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.



33.7322, 0.3858, 0.3777



33.7322, 0.2422, 0.3017



33.7322, 0.3696, 0.3170

Square

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



33.7322, 0.2422, 0.3017



33.7322, 0.2951, 0.2711



33.7322, 0.3888, 0.3486



33.7322, 0.3266, 0.3961

Rectangle

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



33.7322, 0.2422, 0.3017



33.7322, 0.2546, 0.2677



33.7322, 0.3888, 0.3486



33.7322, 0.3722, 0.3918

Sweetspot

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



33.7335, 0.2422, 0.3017



77.4566, 0.2897, 0.3219



37.9905, 0.2958, 0.4622



16.4415, 0.2866, 0.3208



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



33.7335, 0.2422, 0.3017



56.3149, 0.2307, 0.2946



19.7430, 0.2270, 0.2231



9.9263, 0.2985, 0.3248



17.6565, 0.2086, 0.2708



0.6955, 0.2132, 0.2874

Inverse Universe

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



20.6359, 0.3393, 0.2271



31.2008, 0.3469, 0.2088



34.0862, 0.4063, 0.4145



9.1341, 0.3164, 0.3105



8.5648, 0.3721, 0.1823



0.3093, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 33.7322, 0.2422, 0.3017 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 33.7322, 0.2422, 0.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

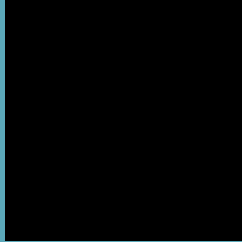
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7322, 0.2422, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 33.7322, 0.2422, 0.3017.



This preview shows how white text looks on a background with the Yxy color 33.7322, 0.2422, 0.3017.

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

33.7322, 0.2422, 0.3017

Protanopia

33.3893, 0.2915, 0.2968

Deuteranopia

33.4812, 0.2851, 0.2792



Tritanopia

33.5563, 0.2434, 0.3063

Trichromacy



Original Color

33.7322, 0.2422, 0.3017

Protanomaly

33.1827, 0.2699, 0.2984

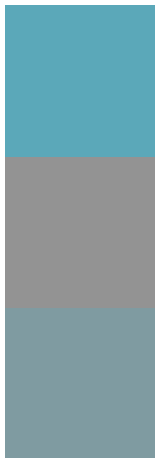
Deuteranomaly

32.9471, 0.2661, 0.2855

Tritanomaly

33.5978, 0.2428, 0.3048

Monochromacy



Original Color

33.7322, 0.2422, 0.3017

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5279, 0.2814, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7322, 0.2422, 0.3017 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(91, 168, 185)` looks like.

```
.text, #text, p{  
    color:rgb(91, 168, 185)  
}
```

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(91, 168, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 168, 185) }
```

Border

The CSS property to change the border of an element to Yxy 33.7322, 0.2422, 0.3017 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(91, 168, 185) }
```

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

```
.border{ border-color:rgb(91, 168, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 168, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 168, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 168, 185);  
box-shadow:4px 4px 4px 4px rgb(91, 168,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7322, 0.2422, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 168, 185) }
```

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

```
.background{ background-color: rgb(91, 168,  
185) }
```

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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