

Converting Colors

$Y_{xy}(33.8289, 0.2335, 0.2898)$

Have a look what the booklet for
Yxy(33.8289, 0.2335, 0.2898)
contains.

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Color

Yxy(33.6945, 0.2336, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	53A8C1
RGB	83, 168, 193
RGB Percent	33%, 66%, 76%
CMY	0.6745, 0.3412, 0.2430
CMYK	0.57, 0.13, 0.00, 0.24
HSL	194°, 47%, 54%
HSV	194°, 57%, 76%
XYZ	27.1978, 33.6945, 55.5365
YIQ	145.4350, -58.6850, -10.2450

Conversions

Conversions Part 2

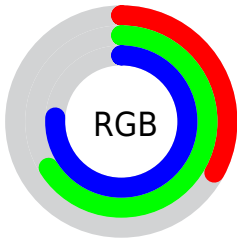
Format	Color
R_{YB}	83, 131, 193
Decimal	5482689
CIE _{Lab}	64.72, -18.44, -20.63
CIE _{LCh}	65, 27.670, 228.197
Yxy	33.6945, 0.2336, 0.2894
Android (android.graphics.Color)	4283672769 (0xFF53A8C1)
YUV	145.4350, 23.4495, -54.7555
Hunter-Lab	58.0470, -17.9464, -16.0929

Details

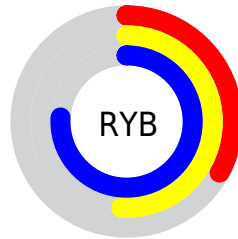
The Yxy color **33.6945, 0.2336, 0.2894** is a light color, and the websafe version is hex **669999**. The color can be described as light muted azure. A complement of this color would be **22.6974, 0.4616, 0.3622**, and the grayscale version is **28.4237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2776, 0.2486, 0.2979**, and **14.3742, 0.2107, 0.2767** is the 20% darker color. If you saturate the color by 10%, you get **31.3426, 0.2236, 0.2812**, and if you desaturate by 10%, it is **36.3481, 0.2452, 0.2974**.

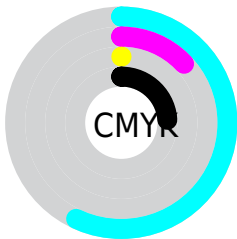
Distribution



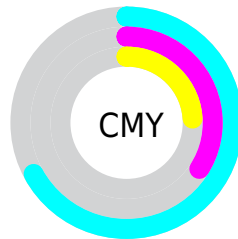
- Red (33%)
- Green (66%)
- Blue (76%)



- Red (33%)
- Yellow (51%)
- Blue (76%)



- Cyan (57%)
- Magenta (13%)
- Yellow (0%)
- Black (24%)



- Cyan (67%)
- Magenta (34%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6945, 0.2336, 0.2894 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 33.6945, 0.2336, 0.2894 by changing the saturation by 10% instead.

■ 33.6945, 0.2336,
0.2894

■ 33.6945, 0.2336,
0.2894

■ 318.7677, 0.2740,
0.3110

■ 22.6590, 0.2234,
0.2834

■ 65.4583, 0.2484,
0.2977

■ 14.3419, 0.2102,
0.2754

■ 86.9554, 0.2539,
0.3007

■ 8.3589, 0.1928,
0.2642

■ 112.7085, 0.2586,
0.3032

■ 4.3254, 0.1686,
0.2476

■ 143.1020, 0.2626,
0.3052

■ 1.8572, 0.1339,
0.2209

■ 178.5203, 0.2660,
0.3070

■ 0.5225, 0.0154,
0.1739

■ 219.3477, 0.2690,

■ 0.0000, 0.0000,

0.3085

0.0000

265.9687, 0.2716,
0.3099

■ 33.6945, 0.2336,
0.2894

■ 33.6945, 0.2336,
0.2894

■ 31.3426, 0.2236,
0.2812

■ 36.3481, 0.2452,
0.2974

■ 29.2671, 0.2155,
0.2728

■ 39.3185, 0.2582,
0.3050

■ 27.4446, 0.2093,
0.2644

■ 42.6242, 0.2722,
0.3122

■ 25.8411, 0.2050,
0.2561

■ 46.2810, 0.2869,
0.3189

■ 25.3837, 0.2038,
0.2537

■ 50.3037, 0.3020,
0.3250

■ 54.7059, 0.3173,
0.3306

■ 59.5008, 0.3325,
0.3356

■ 64.7005, 0.3473,
0.3401

■ 69.9875, 0.3604,
0.3441

Harmonies

Analogous

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



33.6945, 0.2458, 0.3273



33.6945, 0.2336, 0.2894



33.6945, 0.2406, 0.2659

Triad

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



33.6945, 0.2336, 0.2894



33.6945, 0.3483, 0.2926



33.6945, 0.3579, 0.4061

Complementary

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



33.6945, 0.2336, 0.2894



22.6974, 0.4616, 0.3622

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.



33.6945, 0.3887, 0.3896



33.6945, 0.2336, 0.2894



33.6945, 0.3838, 0.3246

Square

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



33.6945, 0.2336, 0.2894



33.6945, 0.3044, 0.2694



33.6945, 0.3988, 0.3594



33.6945, 0.3162, 0.3997

Rectangle

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



33.6945, 0.2336, 0.2894



33.6945, 0.2554, 0.2598



33.6945, 0.3988, 0.3594



33.6945, 0.3700, 0.4028

Sweetspot

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



33.6958, 0.2336, 0.2894



82.6809, 0.2865, 0.3187



41.0487, 0.2914, 0.4729



17.4434, 0.2835, 0.3174



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



33.6958, 0.2336, 0.2894



55.3107, 0.2218, 0.2794



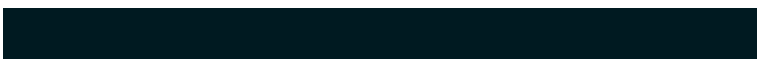
17.7656, 0.2140, 0.1977



11.0273, 0.2984, 0.3236



17.0030, 0.2041, 0.2547



0.8323, 0.2092, 0.2732

Inverse Universe

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



20.3554, 0.3503, 0.2217



30.7536, 0.3611, 0.2055



37.7545, 0.4154, 0.4302



10.2070, 0.3172, 0.3114



8.9987, 0.3875, 0.1909



0.3987, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 33.6945, 0.2336, 0.2894 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 33.6945, 0.2336, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

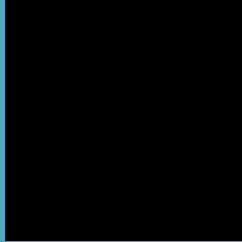
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6945, 0.2336, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 33.6945, 0.2336, 0.2894.

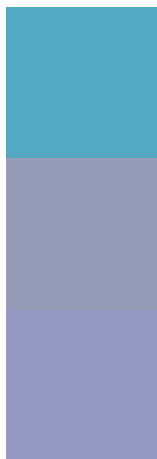


This preview shows how white text looks on a background with the Yxy color 33.6945, 0.2336, 0.2894.

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

33.6945, 0.2336, 0.2894

Protanopia

33.3874, 0.2831, 0.2868

Deuteranopia

33.2520, 0.2736, 0.2681



Tritanopia

33.8306, 0.2378, 0.3078

Trichromacy



Original Color

33.6945, 0.2336, 0.2894

Protanomaly

33.1651, 0.2618, 0.2881

Deuteranomaly

32.8295, 0.2560, 0.2739

Tritanomaly

33.6693, 0.2358, 0.2999

Monochromacy



Original Color

33.6945, 0.2336, 0.2894

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.5287, 0.2760, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6945, 0.2336, 0.2894 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(83, 168, 193)` looks like.

```
.text, #text, p{  
    color:rgb(83, 168, 193)  
}
```

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(83, 168, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 168, 193) }
```

Border

The CSS property to change the border of an element to Yxy 33.6945, 0.2336, 0.2894 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(83, 168, 193) }
```

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

```
.border{ border-color:rgb(83, 168, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 168, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 168, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 168, 193);  
box-shadow:4px 4px 4px 4px rgb(83, 168,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6945, 0.2336, 0.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 168, 193) }
```

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

```
.background{ background-color: rgb(83, 168,  
193) }
```

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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