

Converting Colors

$Yxy(33.4512, 0.2227, 0.2679)$

Have a look what the booklet for
Yxy(33.4512, 0.2227, 0.2679)
contains.

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Color

Yxy(33.5895, 0.2231, 0.2690)

Conversions

Conversions Part 1

Format	Color
Hex	4BA7CE
RGB	75, 167, 206
RGB Percent	29%, 65%, 81%
CMY	0.7062, 0.3451, 0.1921
CMYK	0.64, 0.19, 0.00, 0.19
HSL	198°, 57%, 55%
HSV	198°, 64%, 81%
XYZ	27.8581, 33.5895, 63.4205
YIQ	143.9380, -67.3510, -7.3750

Conversions

Conversions Part 2

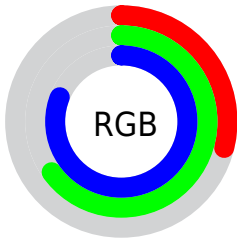
Format	Color
R_{YB}	75, 129, 206
Decimal	4958158
CIE _{Lab}	64.64, -15.44, -28.00
CIE _{LCh}	65, 31.974, 241.132
Yxy	33.5895, 0.2231, 0.2690
Android (android.graphics.Color)	4283148238 (0xFF4BA7CE)
YUV	143.9380, 30.5966, -60.4586
Hunter-Lab	57.9564, -15.6238, -24.3102

Details

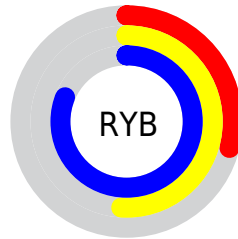
The Yxy color **33.5895, 0.2231, 0.2690** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **25.6520, 0.4796, 0.3758**, and the grayscale version is **27.7518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6968, 0.2433, 0.2898**, and **14.5285, 0.2027, 0.2496** is the 20% darker color. If you saturate the color by 10%, you get **30.6976, 0.2133, 0.2578**, and if you desaturate by 10%, it is **36.8592, 0.2346, 0.2800**.

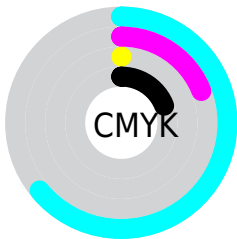
Distribution



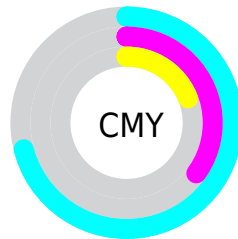
- Red (29%)
- Green (65%)
- Blue (81%)



- Red (29%)
- Yellow (51%)
- Blue (81%)



- Cyan (64%)
- Magenta (19%)
- Yellow (0%)
- Black (19%)





- Cyan (71%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5895, 0.2231, 0.2690 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 33.5895, 0.2231, 0.2690 by changing the saturation by 10% instead.

 33.5895, 0.2231,
0.2690

 33.5895, 0.2231,
0.2690


318.2977, 0.2685,
0.3010

 22.5784, 0.2118,
0.2605


 65.2948, 0.2396,
0.2810


 14.2825, 0.1974,
0.2493


 86.7578, 0.2458,
0.2854

 8.3174, 0.1786,
0.2341


 112.4736, 0.2510,
0.2891

 4.2987, 0.1531,
0.2125

 142.8265, 0.2555,
0.2922

 1.8420, 0.1178,
0.1800

178.2010, 0.2594,
0.2949

 0.5132, 0.0269,
0.1245

218.9814, 0.2628,

 0.0000, 0.0000,

0.2972

0.0000

265.5522, 0.2658,
0.2992

■ 33.5895, 0.2231,
0.2690

■ 33.5895, 0.2231,
0.2690

■ 30.6976, 0.2133,
0.2578

■ 36.8592, 0.2346,
0.2800

■ 28.1512, 0.2055,
0.2465

■ 40.5278, 0.2476,
0.2906

■ 25.9174, 0.1997,
0.2353

■ 44.6189, 0.2617,
0.3006

■ 24.6204, 0.1967,
0.2282

■ 49.1530, 0.2766,
0.3099

■ 54.1488, 0.2918,
0.3185

■ 59.6239, 0.3072,
0.3264

■ 65.5949, 0.3224,
0.3334

■ 72.0774, 0.3373,
0.3397

■ 78.0589, 0.3477,
0.3455

Harmonies

Analogous

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



33.5895, 0.2274, 0.3060



33.5895, 0.2231, 0.2690



33.5895, 0.2400, 0.2512

Triad

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



33.5895, 0.2231, 0.2690



33.5895, 0.3737, 0.3020



33.5895, 0.3443, 0.4192

Complementary

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



33.5895, 0.2231, 0.2690



25.6520, 0.4796, 0.3758

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.



33.5895, 0.3870, 0.4094



33.5895, 0.2231, 0.2690



33.5895, 0.4061, 0.3404

Square

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



33.5895, 0.2231, 0.2690



33.5895, 0.3248, 0.2708



33.5895, 0.4106, 0.3792



33.5895, 0.2951, 0.3994

Rectangle

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



33.5895, 0.2231, 0.2690



33.5895, 0.2621, 0.2501



33.5895, 0.4106, 0.3792



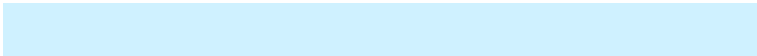
33.5895, 0.3599, 0.4190

Sweetspot

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



33.5907, 0.2231, 0.2690



83.0841, 0.2832, 0.3138



46.8169, 0.2858, 0.4795



17.2916, 0.2788, 0.3113



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.



33.5907, 0.2231, 0.2690



48.3003, 0.2105, 0.2540



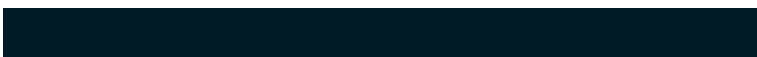
15.7160, 0.1990, 0.1653



12.1413, 0.2983, 0.3219



15.3331, 0.1972, 0.2298



0.9194, 0.2032, 0.2515

Inverse Universe

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



20.9370, 0.3692, 0.2212



28.6652, 0.3858, 0.2085



45.3203, 0.4213, 0.4485



11.3446, 0.3182, 0.3129



9.3509, 0.4128, 0.2048



0.4954, 0.3907, 0.1926

Previews

White Background



This preview shows how the Yxy color 33.5895, 0.2231, 0.2690 looks on a white background.

Color Contrast Check

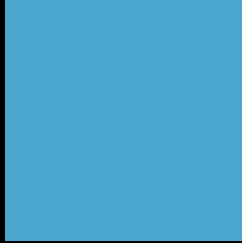
Large Text (above 18pt) WCAG AA × Fail

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 33.5895, 0.2231, 0.2690 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 33.5895, 0.2231, 0.2690

Background



This preview shows how black text looks on a background with the Yxy color 33.5895, 0.2231, 0.2690.

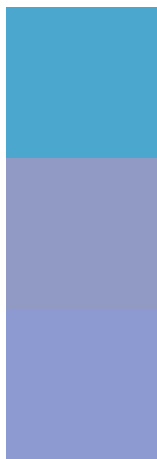


This preview shows how white text looks on a background with the Yxy color 33.5895, 0.2231, 0.2690.

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

33.5895, 0.2231, 0.2690

Protanopia

33.1622, 0.2688, 0.2676

Deuteranopia

33.3774, 0.2572, 0.2521



Tritanopia

33.7186, 0.2308, 0.3059

Trichromacy



Original Color

33.5895, 0.2231, 0.2690

Protanomaly

32.9595, 0.2487, 0.2681

Deuteranomaly

33.1322, 0.2418, 0.2575

Tritanomaly

33.8286, 0.2278, 0.2921

Monochromacy



Original Color

33.5895, 0.2231, 0.2690

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.1684, 0.2694, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5895, 0.2231, 0.2690 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(75, 167, 206)` looks like.

```
.text, #text, p{  
    color:rgb(75, 167, 206)  
}
```

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(75, 167, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 167, 206) }
```

Border

The CSS property to change the border of an element to Yxy 33.5895, 0.2231, 0.2690 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(75, 167, 206) }
```

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

```
.border{ border-color:rgb(75, 167, 206) }
```

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

Here you see how a box with a 4 pixel rgb(75, 167, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 167, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 167, 206);  
box-shadow:4px 4px 4px 4px rgb(75, 167,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5895, 0.2231, 0.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 167, 206) }
```

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

```
.background{ background-color: rgb(75, 167,  
206) }
```

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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