

Converting Colors

$Y_{xy}(32.9898, 0.2250, 0.2621)$

Have a look what the booklet for
Yxy(32.9898, 0.2250, 0.2621)
contains.

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Color

Yxy(32.9898, 0.2250, 0.2621)

Conversions

Conversions Part 1

Format	Color
Hex	54A4D0
RGB	84, 164, 208
RGB Percent	33%, 64%, 82%
CMY	0.6704, 0.3569, 0.1843
CMYK	0.60, 0.21, 0.00, 0.18
HSL	201°, 57%, 57%
HSV	201°, 60%, 82%
XYZ	28.3201, 32.9898, 64.5573
YIQ	145.0960, -61.8040, -3.2760

Conversions

Conversions Part 2

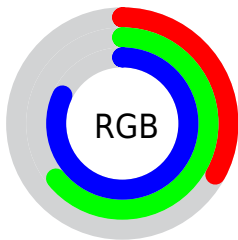
Format	Color
R_{YB}	84, 133, 208
Decimal	5547216
CIE _{Lab}	64.15, -11.53, -29.82
CIE _{LCh}	64, 31.976, 248.864
Yxy	32.9898, 0.2250, 0.2621
Android (android.graphics.Color)	4283737296 (0xFF54A4D0)
YUV	145.0960, 31.0117, -53.5812
Hunter-Lab	57.4367, -12.5020, -26.4346

Details

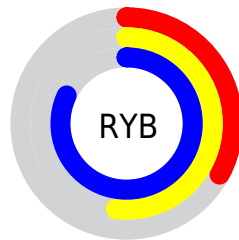
The Yxy color **32.9898, 0.2250, 0.2621** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **29.5053, 0.4586, 0.3828**, and the grayscale version is **28.2513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7227, 0.2459, 0.2865**, and **13.8882, 0.2003, 0.2409** is the 20% darker color. If you saturate the color by 10%, you get **29.6019, 0.2136, 0.2485**, and if you desaturate by 10%, it is **36.8186, 0.2380, 0.2753**.

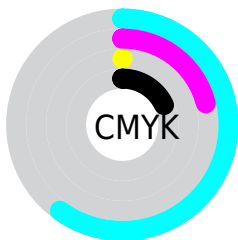
Distribution



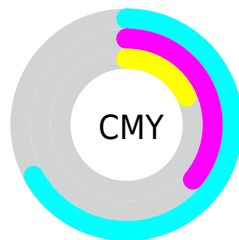
- Red (33%)
- Green (64%)
- Blue (82%)



- Red (33%)
- Yellow (52%)
- Blue (82%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)
- Black (18%)



- Cyan (67%)
- Magenta (36%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9898, 0.2250, 0.2621 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 32.9898, 0.2250, 0.2621 by changing the saturation by 10% instead.

■ 32.9898, 0.2250,
0.2621

■ 32.9898, 0.2250,
0.2621

■ 315.6038, 0.2696,
0.2974

■ 22.1186, 0.2139,
0.2528

■ 64.3596, 0.2413,
0.2753

■ 13.9441, 0.1996,
0.2408

■ 85.6270, 0.2473,
0.2802

■ 8.0818, 0.1810,
0.2245

■ 111.1287, 0.2525,
0.2842

■ 4.1473, 0.1558,
0.2015

■ 141.2489, 0.2569,
0.2877

■ 1.7563, 0.1206,
0.1677

■ 176.3721, 0.2607,
0.2906

■ 0.4597, 0.0363,
0.1074

■ 216.8828, 0.2640,

■ 0.0000, 0.0000,

0.2932

0.0000

263.1652, 0.2670,
0.2954

■ 32.9898, 0.2250,
0.2621

■ 32.9898, 0.2250,
0.2621

■ 29.6019, 0.2136,
0.2485

■ 36.8186, 0.2380,
0.2753

■ 26.6226, 0.2041,
0.2348

■ 41.1101, 0.2521,
0.2878

■ 24.0197, 0.1967,
0.2212

■ 45.8886, 0.2671,
0.2996

■ 21.7363, 0.1912,
0.2079

■ 51.1751, 0.2825,
0.3104

■ 21.6488, 0.1909,
0.2074

■ 56.9895, 0.2980,
0.3204

■ 63.3503, 0.3133,
0.3293

■ 70.2748, 0.3283,
0.3374

■ 77.7798, 0.3427,
0.3445

■ 82.6676, 0.3448,
0.3516

Harmonies

Analogous

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



32.9898, 0.2237, 0.2946



32.9898, 0.2250, 0.2621



32.9898, 0.2472, 0.2493

Triad

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



32.9898, 0.2250, 0.2621



32.9898, 0.3847, 0.3113



32.9898, 0.3317, 0.4177

Complementary

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



32.9898, 0.2250, 0.2621



29.5053, 0.4586, 0.3828

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.



32.9898, 0.3777, 0.4149



32.9898, 0.2250, 0.2621



32.9898, 0.4107, 0.3507

Square

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



32.9898, 0.2250, 0.2621



32.9898, 0.3382, 0.2775



32.9898, 0.4075, 0.3885



32.9898, 0.2828, 0.3901

Rectangle

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



32.9898, 0.2250, 0.2621



32.9898, 0.2724, 0.2514



32.9898, 0.4075, 0.3885



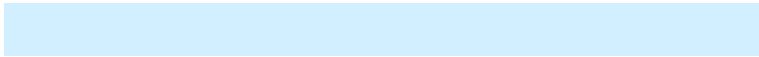
32.9898, 0.3481, 0.4201

Sweetspot

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



32.9910, 0.2250, 0.2621



82.3494, 0.2846, 0.3119



48.5482, 0.2821, 0.4553



17.0725, 0.2801, 0.3088



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.



32.9910, 0.2250, 0.2621



45.3210, 0.2103, 0.2441



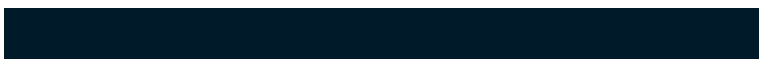
16.0694, 0.2033, 0.1645



12.6713, 0.2983, 0.3206



13.6790, 0.1915, 0.2093



0.9115, 0.1983, 0.2338

Inverse Universe

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



22.4387, 0.3743, 0.2340



29.5271, 0.3944, 0.2206



50.6273, 0.4088, 0.4509



11.9348, 0.3191, 0.3141



9.4522, 0.4349, 0.2170



0.5433, 0.4087, 0.2025

Previews

White Background



This preview shows how the Yxy color 32.9898, 0.2250, 0.2621 looks on a white background.

Color Contrast Check

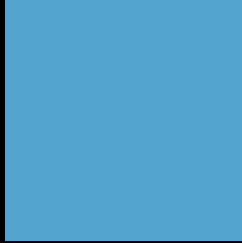
Large Text (above 18pt) WCAG AA × Fail

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 32.9898, 0.2250, 0.2621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

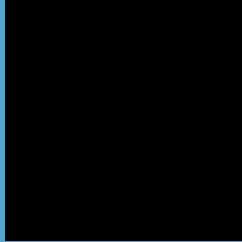
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9898, 0.2250, 0.2621

Background



This preview shows how black text looks on a background with the Yxy color 32.9898, 0.2250, 0.2621.

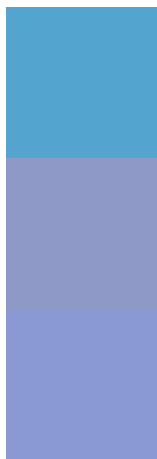


This preview shows how white text looks on a background with the Yxy color 32.9898, 0.2250, 0.2621.

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

32.9898, 0.2250, 0.2621

Protanopia

32.7034, 0.2640, 0.2619

Deuteranopia

32.8889, 0.2534, 0.2478



Tritanopia

33.1698, 0.2353, 0.3075

Trichromacy



Original Color

32.9898, 0.2250, 0.2621

Protanomaly

32.4907, 0.2470, 0.2613

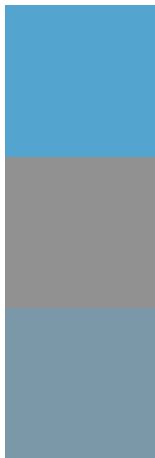
Deuteranomaly

32.6186, 0.2408, 0.2521

Tritanomaly

32.9768, 0.2315, 0.2905

Monochromacy



Original Color

32.9898, 0.2250, 0.2621

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.4946, 0.2720, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9898, 0.2250, 0.2621 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(84, 164, 208)` looks like.

```
.text, #text, p{  
    color:rgb(84, 164, 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(84, 164, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 164, 208) }
```

Border

The CSS property to change the border of an element to Yxy 32.9898, 0.2250, 0.2621 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(84, 164, 208) }
```

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

```
.border{ border-color:rgb(84, 164, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 164, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 164, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 164, 208);  
box-shadow:4px 4px 4px 4px rgb(84, 164,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9898, 0.2250, 0.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 164, 208) }
```

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

```
.background{ background-color: rgb(84, 164,  
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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