

Converting Colors

$Y_{xy}(32.5250, 0.2353, 0.2832)$

Have a look what the booklet for
Yxy(32.5250, 0.2353, 0.2832)
contains.

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Color

Yxy(32.5250, 0.2353, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	59A4C1
RGB	89, 164, 193
RGB Percent	35%, 64%, 76%
CMY	0.6508, 0.3569, 0.2432
CMYK	0.54, 0.15, 0.00, 0.24
HSL	197°, 46%, 55%
HSV	197°, 54%, 76%
XYZ	27.0238, 32.5250, 55.2994
YIQ	144.8810, -54.0090, -6.8810

Conversions

Conversions Part 2

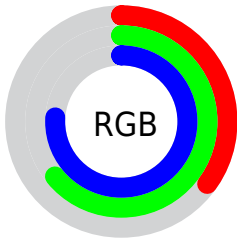
Format	Color
R_{YB}	89, 133, 193
Decimal	5874881
CIE _{Lab}	63.77, -15.07, -22.03
CIE _{LCh}	64, 26.692, 235.613
Yxy	32.5250, 0.2353, 0.2832
Android (android.graphics.Color)	4284064961 (0xFF59A4C1)
YUV	144.8810, 23.7227, -49.0076
Hunter-Lab	57.0307, -15.2222, -17.5686

Details

The Yxy color **32.5250, 0.2353, 0.2832** 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 **25.0276, 0.4453, 0.3680**, and the grayscale version is **28.1887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6762, 0.2498, 0.2921**, and **13.6346, 0.2122, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **29.8062, 0.2241, 0.2730**, and if you desaturate by 10%, it is **35.5781, 0.2480, 0.2930**.

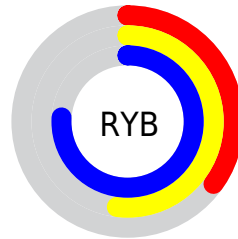
Distribution



Red (35%)

Green (64%)

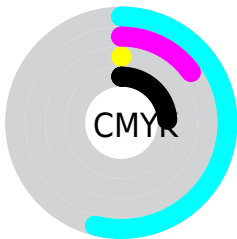
Blue (76%)



Red (35%)

Yellow (52%)

Blue (76%)

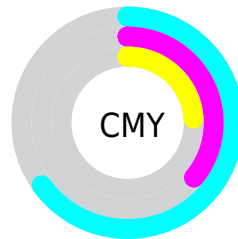


Cyan (54%)

Magenta (15%)

Yellow (0%)

Black (24%)



Cyan (65%)

Magenta (36%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5250, 0.2353, 0.2832 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 32.5250, 0.2353, 0.2832 by changing the saturation by 10% instead.

■ 32.5250, 0.2353,
0.2832

■ 32.5250, 0.2353,
0.2832

■ 313.5039, 0.2750,
0.3080

■ 21.7628, 0.2252,
0.2764

■ 63.6332, 0.2499,
0.2927

■ 13.6827, 0.2121,
0.2674

■ 84.7480, 0.2554,
0.2961

■ 7.9003, 0.1946,
0.2548

■ 110.0825, 0.2599,
0.2989

■ 4.0312, 0.1704,
0.2363

■ 140.0211, 0.2639,
0.3013

■ 1.6911, 0.1352,
0.2070

■ 174.9481, 0.2672,
0.3034

■ 0.4179, 0.0102,
0.1465

■ 215.2480, 0.2702,

■ 0.0000, 0.0000,

0.3051

0.0000

261.3051, 0.2728,
0.3067

■ 32.5250, 0.2353,
0.2832

■ 32.5250, 0.2353,
0.2832

■ 29.8062, 0.2241,
0.2730

■ 35.5781, 0.2480,
0.2930

■ 27.3971, 0.2146,
0.2626

■ 38.9806, 0.2618,
0.3023

■ 25.2748, 0.2071,
0.2521

■ 42.7511, 0.2765,
0.3110

■ 23.4105, 0.2015,
0.2417

■ 46.9052, 0.2916,
0.3191

■ 22.3590, 0.1987,
0.2353

■ 51.4579, 0.3068,
0.3264

■ 56.4231, 0.3220,
0.3330

■ 61.8140, 0.3369,
0.3389

■ 67.6430, 0.3514,
0.3441

■ 72.4226, 0.3592,
0.3491

Harmonies

Analogous

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



32.5250, 0.2426, 0.3174



32.5250, 0.2353, 0.2832



32.5250, 0.2467, 0.2642

Triad

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



32.5250, 0.2353, 0.2832



32.5250, 0.3573, 0.3006



32.5250, 0.3474, 0.4050

Complementary

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



32.5250, 0.2353, 0.2832



25.0276, 0.4453, 0.3680

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.



32.5250, 0.3811, 0.3939



32.5250, 0.2353, 0.2832



32.5250, 0.3879, 0.3332

Square

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



32.5250, 0.2353, 0.2832



32.5250, 0.3152, 0.2753



32.5250, 0.3966, 0.3668



32.5250, 0.3058, 0.3925

Rectangle

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



32.5250, 0.2353, 0.2832



32.5250, 0.2639, 0.2610



32.5250, 0.3966, 0.3668



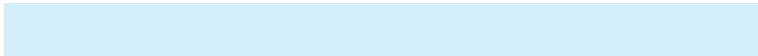
32.5250, 0.3601, 0.4036

Sweetspot

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



32.5262, 0.2353, 0.2832



82.1694, 0.2879, 0.3172



41.5414, 0.2890, 0.4549



17.2922, 0.2848, 0.3156



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.



32.5262, 0.2353, 0.2832



52.4092, 0.2219, 0.2708



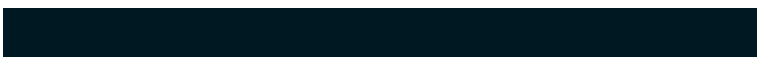
17.8560, 0.2178, 0.1975



10.9380, 0.2984, 0.3224



15.0133, 0.1991, 0.2367



0.7599, 0.2055, 0.2597

Inverse Universe

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



21.1709, 0.3548, 0.2328



31.5852, 0.3682, 0.2161



40.3375, 0.4056, 0.4313



10.1980, 0.3179, 0.3125



8.7978, 0.4057, 0.2009



0.3914, 0.3827, 0.1882

Previews

White Background



This preview shows how the Yxy color 32.5250, 0.2353, 0.2832 looks on a white background.

Color Contrast Check

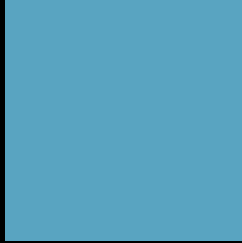
Large Text (above 18pt) WCAG AA × Fail

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 32.5250, 0.2353, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

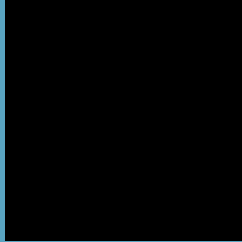
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5250, 0.2353, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 32.5250, 0.2353, 0.2832.



This preview shows how white text looks on a background with the Yxy color 32.5250, 0.2353, 0.2832.

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

32.5250, 0.2353, 0.2832

Protanopia

32.1623, 0.2794, 0.2806

Deuteranopia

32.2297, 0.2699, 0.2646



Tritanopia

32.4525, 0.2407, 0.3059

Trichromacy



Original Color

32.5250, 0.2353, 0.2832

Protanomaly

31.8434, 0.2603, 0.2804

Deuteranomaly

32.0770, 0.2548, 0.2707

Tritanomaly

32.3915, 0.2385, 0.2966

Monochromacy



Original Color

32.5250, 0.2353, 0.2832

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.4251, 0.2785, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5250, 0.2353, 0.2832 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(89, 164, 193)` looks like.

```
.text, #text, p{  
    color:rgb(89, 164, 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(89, 164, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 164, 193) }
```

Border

The CSS property to change the border of an element to Yxy 32.5250, 0.2353, 0.2832 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(89, 164, 193) }
```

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

```
.border{ border-color:rgb(89, 164, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 164, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 164, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 164, 193);  
box-shadow:4px 4px 4px 4px rgb(89, 164,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5250, 0.2353, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 164, 193) }
```

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

```
.background{ background-color: rgb(89, 164,  
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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