

Converting Colors

$Y_{xy}(32.3014, 0.2356, 0.2853)$

Have a look what the booklet for
Yxy(32.3014, 0.2356, 0.2853)
contains.

Yxy(32.3872, 0.2358, 0.2860)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.3872, 0.2358, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	58A4BF
RGB	88, 164, 191
RGB Percent	35%, 64%, 75%
CMY	0.6551, 0.3568, 0.2509
CMYK	0.54, 0.14, 0.00, 0.25
HSL	196°, 45%, 55%
HSV	196°, 54%, 75%
XYZ	26.7025, 32.3872, 54.1523
YIQ	144.3540, -53.9630, -7.7150

Conversions

Conversions Part 2

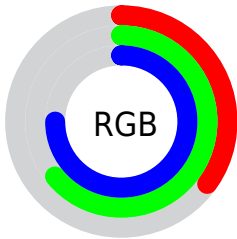
Format	Color
RYB	88, 132, 191
Decimal	5809343
CIELab	63.66, -15.90, -21.11
CIElCh	64, 26.427, 233.019
Yxy	32.3872, 0.2358, 0.2860
Android (android.graphics.Color)	4283999423 (0xFF58A4BF)
YUV	144.3540, 22.9965, -49.4225
Hunter-Lab	56.9098, -15.8386, -16.5804

Details

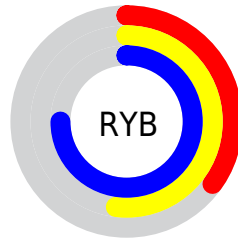
The Yxy color **32.3872, 0.2358, 0.2860** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.0389, 0.4470, 0.3657**, and the grayscale version is **27.9577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3982, 0.2507, 0.2954**, and **13.5827, 0.2122, 0.2696** is the 20% darker color. If you saturate the color by 10%, you get **29.8183, 0.2248, 0.2765**, and if you desaturate by 10%, it is **35.2733, 0.2483, 0.2952**.

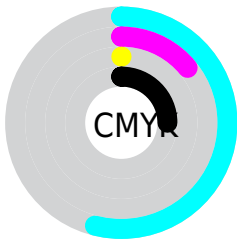
Distribution



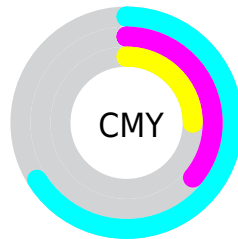
- Red (35%)
- Green (64%)
- Blue (75%)



- Red (35%)
- Yellow (52%)
- Blue (75%)



- Cyan (54%)
- Magenta (14%)
- Yellow (0%)
- Black (25%)





- Cyan (66%)
- Magenta (36%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3872, 0.2358, 0.2860 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 32.3872, 0.2358, 0.2860 by changing the saturation by 10% instead.

 32.3872, 0.2358,
0.2860


 32.3872, 0.2358,
0.2860


312.8793, 0.2753,
0.3094


 21.6574, 0.2257,
0.2796


 63.4176, 0.2504,
0.2950


 13.6054, 0.2126,
0.2709


 84.4870, 0.2558,
0.2982

 7.8467, 0.1952,
0.2589


 109.7718, 0.2603,
0.3009

 3.9970, 0.1709,
0.2410

 139.6562, 0.2642,
0.3031

 1.6719, 0.1355,
0.2124

174.5248, 0.2676,
0.3050

 0.4054, 0.0000,
0.1518

214.7620, 0.2705,

 0.0000, 0.0000,

0.3067

0.0000

260.7520, 0.2731,
0.3082

■ 32.3872, 0.2358,
0.2860

■ 32.3872, 0.2358,
0.2860

■ 29.8183, 0.2248,
0.2765

■ 35.2733, 0.2483,
0.2952

■ 27.5426, 0.2156,
0.2667

■ 38.4912, 0.2619,
0.3039

■ 25.5381, 0.2083,
0.2569

■ 42.0586, 0.2764,
0.3121

■ 23.7766, 0.2030,
0.2472

■ 45.9910, 0.2914,
0.3196

■ 22.7984, 0.2004,
0.2414

■ 50.3025, 0.3067,
0.3265

■ 55.0067, 0.3219,
0.3327

■ 60.1163, 0.3368,
0.3382

■ 65.6433, 0.3514,
0.3432

■ 70.6631, 0.3615,
0.3477

Harmonies

Analogous

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



32.3872, 0.2447, 0.3209



32.3872, 0.2358, 0.2860



32.3872, 0.2455, 0.2657

Triad

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



32.3872, 0.2358, 0.2860



32.3872, 0.3536, 0.2983



32.3872, 0.3505, 0.4042

Complementary

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



32.3872, 0.2358, 0.2860



24.0389, 0.4470, 0.3657

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.



32.3872, 0.3827, 0.3916



32.3872, 0.2358, 0.2860



32.3872, 0.3854, 0.3302

Square

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



32.3872, 0.2358, 0.2860



32.3872, 0.3115, 0.2740



32.3872, 0.3961, 0.3638



32.3872, 0.3095, 0.3939

Rectangle

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



32.3872, 0.2358, 0.2860



32.3872, 0.2617, 0.2615



32.3872, 0.3961, 0.3638



32.3872, 0.3628, 0.4023

Sweetspot

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



32.3884, 0.2358, 0.2860



80.6679, 0.2880, 0.3179



40.5562, 0.2900, 0.4580



17.3868, 0.2848, 0.3164



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.



32.3884, 0.2358, 0.2860



52.5014, 0.2228, 0.2745



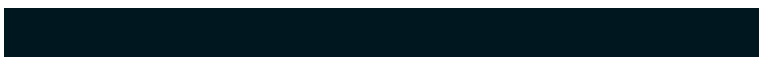
17.8058, 0.2183, 0.2002



10.3747, 0.2985, 0.3228



15.1138, 0.2008, 0.2427



0.6930, 0.2072, 0.2658

Inverse Universe

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



20.7315, 0.3525, 0.2307



31.0027, 0.3649, 0.2138



38.7886, 0.4070, 0.4295



9.6524, 0.3177, 0.3122



8.5554, 0.3995, 0.1975



0.3453, 0.3768, 0.1850

Previews

White Background



This preview shows how the Yxy color 32.3872, 0.2358, 0.2860 looks on a white background.

Color Contrast Check

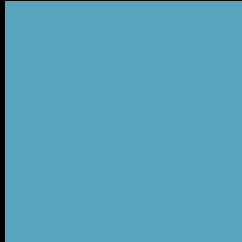
Large Text (above 18pt) WCAG AA × Fail

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 32.3872, 0.2358, 0.2860 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 32.3872, 0.2358, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 32.3872, 0.2358, 0.2860.



This preview shows how white text looks on a background with the Yxy color 32.3872, 0.2358, 0.2860.

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

32.3872, 0.2358, 0.2860

Protanopia

32.0784, 0.2810, 0.2834

Deuteranopia

31.9108, 0.2722, 0.2658



Tritanopia

32.4119, 0.2413, 0.3075

Trichromacy



Original Color

32.3872, 0.2358, 0.2860

Protanomaly

31.7577, 0.2618, 0.2832

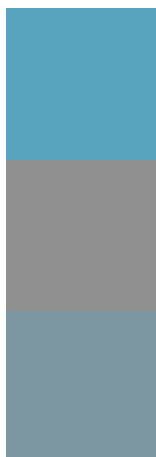
Deuteranomaly

31.7286, 0.2567, 0.2719

Tritanomaly

32.2605, 0.2391, 0.2996

Monochromacy



Original Color

32.3872, 0.2358, 0.2860

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.9915, 0.2783, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3872, 0.2358, 0.2860 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(88, 164, 191)` looks like.

```
.text, #text, p{  
    color:rgb(88, 164, 191)  
}
```

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(88, 164, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 164, 191) }
```

Border

The CSS property to change the border of an element to Yxy 32.3872, 0.2358, 0.2860 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(88, 164, 191) }
```

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

```
.border{ border-color:rgb(88, 164, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 164, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 164, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 164, 191);  
box-shadow:4px 4px 4px 4px rgb(88, 164,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3872, 0.2358, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 164, 191) }
```

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

```
.background{ background-color: rgb(88, 164,  
191) }
```

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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