

Converting Colors

$Y_{xy}(37.8396, 0.2660, 0.3043)$

Have a look what the booklet for
Yxy(37.8396, 0.2660, 0.3043)
contains.

Yxy(37.9250, 0.2656, 0.3039)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.9250, 0.2656, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	82ACBD
RGB	130, 172, 189
RGB Percent	51%, 67%, 74%
CMY	0.4902, 0.3255, 0.2588
CMYK	0.31, 0.09, 0.00, 0.26
HSL	197°, 31%, 63%
HSV	197°, 31%, 74%
XYZ	33.1454, 37.9250, 53.7240
YIQ	161.3800, -30.4890, -3.6170

Conversions

Conversions Part 2

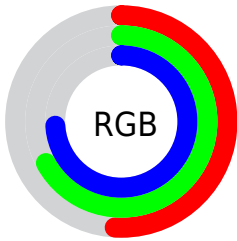
Format	Color
RYB	130, 155, 189
Decimal	8563901
CIELab	67.97, -9.98, -13.27
CIELCh	68, 16.607, 233.051
Yxy	37.9250, 0.2656, 0.3039
Android (android.graphics.Color)	4286753981 (0xFF82ACBD)
YUV	161.3800, 13.6167, -27.5203
Hunter-Lab	61.5833, -11.6984, -8.6151

Details

The Yxy color **37.9250, 0.2656, 0.3039** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.3060, 0.3754, 0.3527**, and the grayscale version is **35.7742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7211, 0.2743, 0.3087**, and **16.8302, 0.2513, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **34.5344, 0.2514, 0.2944**, and if you desaturate by 10%, it is **41.6782, 0.2804, 0.3127**.

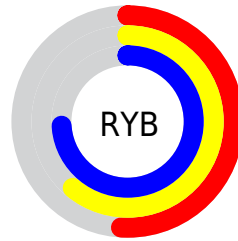
Distribution



Red (51%)

Green (67%)

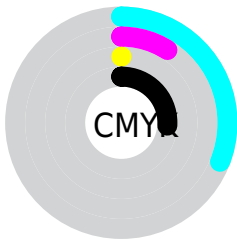
Blue (74%)



Red (51%)

Yellow (61%)

Blue (74%)

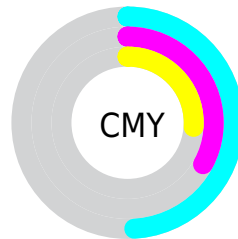


Cyan (31%)

Magenta (9%)

Yellow (0%)

Black (26%)



Cyan (49%)

Magenta (33%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9250, 0.2656, 0.3039 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 37.9250, 0.2656, 0.3039 by changing the saturation by 10% instead.

■ 37.9250, 0.2656,
0.3039

■ 37.9250, 0.2656,
0.3039

■ 337.2981, 0.2896,
0.3172

■ 25.9245, 0.2595,
0.3004

■ 71.9932, 0.2744,
0.3089

■ 16.7672, 0.2516,
0.2957

■ 94.8296, 0.2777,
0.3107

■ 10.0686, 0.2410,
0.2892

■ 122.0468, 0.2804,
0.3122

■ 5.4445, 0.2260,
0.2797

■ 154.0292, 0.2828,
0.3135

■ 2.5103, 0.2035,
0.2646

■ 191.1611, 0.2848,
0.3146

■ 0.8818, 0.1611,
0.2389

■ 233.8270, 0.2866,

■ 0.0000, 0.0000,

0.3156

0.0000

282.4112, 0.2882,
0.3164

■ 37.9250, 0.2656,
0.3039

■ 37.9250, 0.2656,
0.3039

■ 34.5344, 0.2514,
0.2944

■ 41.6782, 0.2804,
0.3127

■ 31.4859, 0.2383,
0.2844

■ 45.8044, 0.2956,
0.3208

■ 28.7635, 0.2265,
0.2739

■ 50.3190, 0.3109,
0.3282

■ 26.3476, 0.2164,
0.2632

■ 55.2353, 0.3260,
0.3348

■ 24.2163, 0.2082,
0.2523

■ 60.5655, 0.3407,
0.3407

■ 22.3436, 0.2020,
0.2415

■ 66.3216, 0.3549,
0.3459

■ 20.8683, 0.1978,
0.2321

■ 71.1006, 0.3628,
0.3509

■ 73.8400, 0.3614,
0.3564

■ 76.6720, 0.3601,
0.3618

Harmonies

Analogous

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



37.9250, 0.2714, 0.3250



37.9250, 0.2656, 0.3039



37.9250, 0.2718, 0.2907

Triad

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



37.9250, 0.2656, 0.3039



37.9250, 0.3373, 0.3104



37.9250, 0.3360, 0.3732

Complementary

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



37.9250, 0.2656, 0.3039



33.3060, 0.3754, 0.3527

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.



37.9250, 0.3548, 0.3671



37.9250, 0.2656, 0.3039



37.9250, 0.3558, 0.3306

Square

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



37.9250, 0.2656, 0.3039



37.9250, 0.3125, 0.2951



37.9250, 0.3622, 0.3512



37.9250, 0.3114, 0.3665

Rectangle

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



37.9250, 0.2656, 0.3039



37.9250, 0.2820, 0.2876



37.9250, 0.3622, 0.3512



37.9250, 0.3432, 0.3725

Sweetspot

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



37.9265, 0.2656, 0.3039



83.6417, 0.2988, 0.3224



43.2451, 0.2968, 0.3931



17.7415, 0.2966, 0.3213



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.9265, 0.2656, 0.3039



63.9716, 0.2565, 0.2979



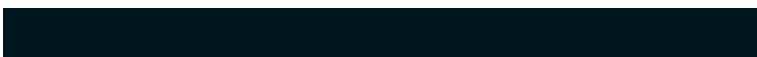
28.0038, 0.2603, 0.2587



10.3321, 0.2985, 0.3222



14.1750, 0.1982, 0.2335



0.6622, 0.2053, 0.2591

Inverse Universe

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



29.7665, 0.3340, 0.2730



47.6597, 0.3396, 0.2614



43.5726, 0.3639, 0.3906



9.6481, 0.3180, 0.3128



8.4607, 0.4090, 0.2027



0.3422, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 37.9250, 0.2656, 0.3039 looks on a white background.

Color Contrast Check

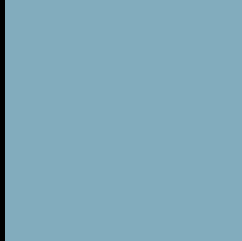
Large Text (above 18pt) WCAG AA × Fail

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 37.9250, 0.2656, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

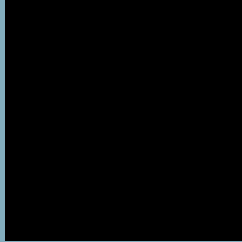
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9250, 0.2656, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 37.9250, 0.2656, 0.3039.



This preview shows how white text looks on a background with the Yxy color 37.9250, 0.2656, 0.3039.

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

37.9250, 0.2656, 0.3039

Protanopia

37.7981, 0.2950, 0.3011

Deuteranopia

37.6863, 0.2946, 0.2883



Tritanopia

37.7173, 0.2669, 0.3082

Trichromacy



Original Color

37.9250, 0.2656, 0.3039

Protanomaly

37.7619, 0.2834, 0.3019

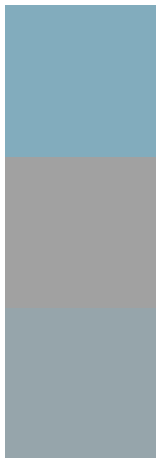
Deuteranomaly

37.5965, 0.2835, 0.2939

Tritanomaly

37.7600, 0.2662, 0.3067

Monochromacy



Original Color

37.9250, 0.2656, 0.3039

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3346, 0.2941, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9250, 0.2656, 0.3039 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(130, 172, 189)` looks like.

```
.text, #text, p{  
    color:rgb(130, 172, 189)  
}
```

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(130, 172, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 172, 189) }
```

Border

The CSS property to change the border of an element to Yxy 37.9250, 0.2656, 0.3039 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(130, 172, 189) }
```

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

```
.border{ border-color:rgb(130, 172, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 172, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 172, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 172, 189);  
box-shadow:4px 4px 4px 4px rgb(130, 172,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9250, 0.2656, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 172, 189) }
```

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

```
.background{ background-color: rgb(130,  
172, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor