

Converting Colors

$Y_{xy}(10.9321, 0.2641, 0.3642)$

Have a look what the booklet for
Yxy(10.9321, 0.2641, 0.3642)
contains.

Yxy(10.9278, 0.2641, 0.3644)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.9278, 0.2641, 0.3644)

Conversions

Conversions Part 1

Format	Color
Hex	336659
RGB	51, 102, 89
RGB Percent	20%, 40%, 35%
CMY	0.7999, 0.6000, 0.6510
CMYK	0.50, 0.00, 0.13, 0.60
HSL	165°, 33%, 30%
HSV	165°, 50%, 40%
XYZ	7.9200, 10.9278, 11.1407
YIQ	85.2690, -26.2230, -14.8550

Conversions

Conversions Part 2

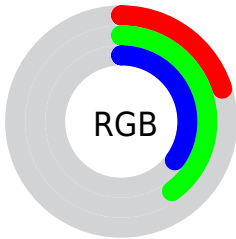
Format	Color
R_{YB}	51, 80, 102
Decimal	3368537
CIE _{Lab}	39.46, -20.66, 2.07
CIE _{LCh}	39, 20.760, 174.265
Yxy	10.9278, 0.2641, 0.3644
Android (android.graphics.Color)	4281558617 (0xFF336659)
YUV	85.2690, 1.8394, -30.0539
Hunter-Lab	33.0572, -15.0845, 3.1585

Details

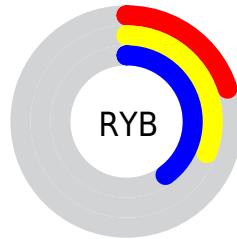
The Yxy color **10.9278, 0.2641, 0.3644** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.5643, 0.4063, 0.2978**, and the grayscale version is **9.1447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4132, 0.2767, 0.3541**, and **2.9142, 0.2401, 0.3842** is the 20% darker color. If you saturate the color by 10%, you get **10.6487, 0.2575, 0.3729**, and if you desaturate by 10%, it is **11.2675, 0.2720, 0.3563**.

Distribution



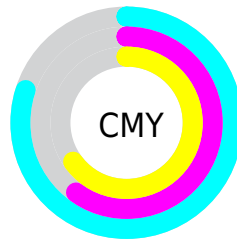
- Red (20%)
- Green (40%)
- Blue (35%)



- Red (20%)
- Yellow (31%)
- Blue (40%)



- Cyan (50%)
- Magenta (0%)
- Yellow (13%)
- Black (60%)




- Cyan (80%)
- Magenta (60%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9278, 0.2641, 0.3644 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 10.9278, 0.2641, 0.3644 by changing the saturation by 10% instead.


 10.9278, 0.2641,
0.3644


 10.9278, 0.2641,
0.3644


197.1715, 0.2942,
0.3423

 6.0183, 0.2534,
0.3724

 27.5266, 0.2770,
0.3548


 2.8562, 0.2368,
0.3851


 39.9847, 0.2812,
0.3518

 1.0571, 0.1930,
0.4156

 55.7277, 0.2845,
0.3493

 0.0000, 0.0000,
0.0000

 75.1401, 0.2872,
0.3474

 98.6064, 0.2894,
0.3458

 126.5107, 0.2913,

0.3444

159.2377, 0.2928,
0.3433

■ 10.9278, 0.2641,
0.3644

■ 10.9278, 0.2641,
0.3644

■ 10.6487, 0.2575,
0.3729

■ 11.2675, 0.2720,
0.3563

■ 10.4250, 0.2525,
0.3817

■ 11.6700, 0.2811,
0.3486

■ 10.2528, 0.2492,
0.3906

■ 12.1389, 0.2911,
0.3415

■ 10.1272, 0.2476,
0.3996

■ 12.6773, 0.3017,
0.3350

■ 10.0245, 0.2469,
0.4087

■ 13.2881, 0.3127,
0.3290

■ 10.0243, 0.2469,
0.4087

■ 13.9737, 0.3240,
0.3236

■ 14.7369, 0.3353,
0.3187

■ 15.5800, 0.3465,
0.3144

■ 16.5054, 0.3575,
0.3106

Harmonies

Analogous

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



10.9278, 0.3068, 0.4019



10.9278, 0.2641, 0.3644



10.9278, 0.2357, 0.3175

Triad

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



10.9278, 0.2641, 0.3644



10.9278, 0.2688, 0.2546



10.9278, 0.4067, 0.3688

Complementary

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



10.9278, 0.2641, 0.3644



5.5643, 0.4063, 0.2978

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.



10.9278, 0.3959, 0.3314



10.9278, 0.2641, 0.3644



10.9278, 0.3131, 0.2685

Square

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



10.9278, 0.2641, 0.3644



10.9278, 0.2384, 0.2575



10.9278, 0.3606, 0.2959



10.9278, 0.3902, 0.4000

Rectangle

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



10.9278, 0.2641, 0.3644



10.9278, 0.2275, 0.2901



10.9278, 0.3606, 0.2959



10.9278, 0.4062, 0.3566

Sweetspot

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



10.9282, 0.2641, 0.3644



21.7033, 0.2959, 0.3385



10.8527, 0.3236, 0.4680



5.0877, 0.2943, 0.3394



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.9282, 0.2641, 0.3644



18.6002, 0.2565, 0.3744



8.9935, 0.2449, 0.2964



3.1739, 0.3029, 0.3343



12.8679, 0.2472, 0.4099



66.9661, 0.2487, 0.4152

Inverse Universe

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



5.5643, 0.4063, 0.2978



7.9895, 0.4423, 0.2921



6.6093, 0.4254, 0.3581



2.8569, 0.3236, 0.3238



3.7180, 0.5812, 0.2975



19.2673, 0.5953, 0.3053

Previews

White Background



This preview shows how the Yxy color 10.9278, 0.2641, 0.3644 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 10.9278, 0.2641, 0.3644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

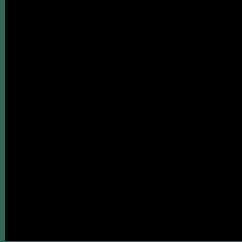
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9278, 0.2641, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 10.9278, 0.2641, 0.3644.



This preview shows how white text looks on a background with the Yxy color 10.9278, 0.2641, 0.3644.

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

10.9278, 0.2641, 0.3644

Protanopia

10.7812, 0.3311, 0.3482

Deuteranopia

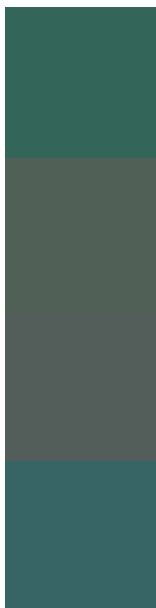
10.9098, 0.3291, 0.3245



Tritanopia

10.8551, 0.2501, 0.3084

Trichromacy



Original Color

10.9278, 0.2641, 0.3644

Protanomaly

10.7431, 0.3026, 0.3545

Deuteranomaly

10.5997, 0.3002, 0.3365

Tritanomaly

10.8467, 0.2557, 0.3288

Monochromacy



Original Color

10.9278, 0.2641, 0.3644

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.5705, 0.2921, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9278, 0.2641, 0.3644 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(51, 102, 89)` looks like.

```
.text, #text, p{  
    color:rgb(51, 102, 89)  
}
```

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(51, 102, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 102, 89) }
```

Border

The CSS property to change the border of an element to Yxy 10.9278, 0.2641, 0.3644 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(51, 102, 89) }
```

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

```
.border{ border-color:rgb(51, 102, 89) }
```

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

Here you see how a box with a 4 pixel rgb(51, 102, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 102, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 102, 89);  
box-shadow:4px 4px 4px 4px rgb(51, 102,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9278, 0.2641, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 102, 89) }
```

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

```
.background{ background-color: rgb(51, 102,  
89) }
```

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