

Converting Colors

$Y_{xy}(10.9041, 0.2679, 0.3756)$

Have a look what the booklet for
Yxy(10.9041, 0.2679, 0.3756)
contains.

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Color

Yxy(10.8624, 0.2684, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	336655
RGB	51, 102, 85
RGB Percent	20%, 40%, 33%
CMY	0.8000, 0.6000, 0.6667
CMYK	0.50, 0.00, 0.17, 0.60
HSL	160°, 33%, 30%
HSV	160°, 50%, 40%
XYZ	7.7560, 10.8624, 10.2787
YIQ	84.8130, -24.9390, -16.0990

Conversions

Conversions Part 2

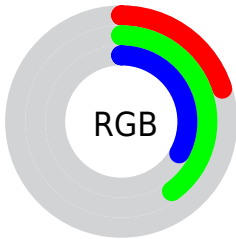
Format	Color
R_{YB}	51, 82, 102
Decimal	3368533
CIE Lab	39.35, -21.70, 4.36
CIE LCh	39, 22.130, 168.634
Yxy	10.8624, 0.2684, 0.3759
Android (android.graphics.Color)	4281558613 (0xFF336655)
YUV	84.8130, 0.0922, -29.6540
Hunter-Lab	32.9582, -15.6708, 4.5799

Details

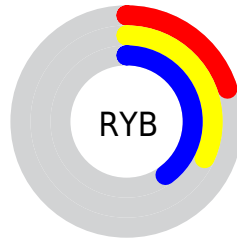
The Yxy color **10.8624, 0.2684, 0.3759** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.6109, 0.3959, 0.2882**, and the grayscale version is **9.0472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2984, 0.2799, 0.3615**, and **2.8856, 0.2461, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **10.5735, 0.2625, 0.3873**, and if you desaturate by 10%, it is **11.2129, 0.2756, 0.3651**.

Distribution



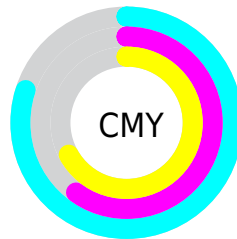
- Red (20%)
- Green (40%)
- Blue (33%)



- Red (20%)
- Yellow (32%)
- Blue (40%)



- Cyan (50%)
- Magenta (0%)
- Yellow (17%)
- Black (60%)





- Cyan (80%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8624, 0.2684, 0.3759 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 10.8624, 0.2684, 0.3759 by changing the saturation by 10% instead.


 10.8624, 0.2684,
0.3759


 10.8624, 0.2684,
0.3759


196.7211, 0.2961,
0.3463


 5.9744, 0.2584,
0.3869

 27.4054, 0.2803,
0.3629


 2.8295, 0.2426,
0.4047


 39.8293, 0.2842,
0.3588

 1.0434, 0.1957,
0.4499

 55.5338, 0.2872,
0.3556

 0.0000, 0.0000,
0.0000

 74.9034, 0.2897,
0.3530

 98.3226, 0.2917,
0.3509

 126.1757, 0.2934,

0.3491

158.8470, 0.2948,
0.3476

■ 10.8624, 0.2684,
0.3759

■ 10.8624, 0.2684,
0.3759

■ 10.5735, 0.2625,
0.3873

■ 11.2129, 0.2756,
0.3651

■ 10.3410, 0.2580,
0.3991

■ 11.6274, 0.2840,
0.3549

■ 10.1611, 0.2553,
0.4111

■ 12.1093, 0.2931,
0.3455

■ 10.0287, 0.2544,
0.4232

■ 12.6619, 0.3027,
0.3368

■ 9.9202, 0.2543,
0.4354

■ 13.2879, 0.3127,
0.3290

■ 9.9201, 0.2543,
0.4354

■ 13.9900, 0.3229,
0.3219

■ 14.7708, 0.3330,
0.3156

■ 15.6327, 0.3430,
0.3100

■ 16.5780, 0.3528,
0.3050

Harmonies

Analogous

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



10.8624, 0.3155, 0.4121



10.8624, 0.2684, 0.3759



10.8624, 0.2349, 0.3257

Triad

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



10.8624, 0.2684, 0.3759



10.8624, 0.2585, 0.2492



10.8624, 0.4132, 0.3637

Complementary

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



10.8624, 0.2684, 0.3759



5.6109, 0.3959, 0.2882

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.



10.8624, 0.3963, 0.3238



10.8624, 0.2684, 0.3759



10.8624, 0.3034, 0.2609

Square

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



10.8624, 0.2684, 0.3759



10.8624, 0.2299, 0.2556



10.8624, 0.3547, 0.2874



10.8624, 0.4005, 0.3991

Rectangle

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



10.8624, 0.2684, 0.3759



10.8624, 0.2236, 0.2948



10.8624, 0.3547, 0.2874



10.8624, 0.4109, 0.3505

Sweetspot

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



10.8628, 0.2684, 0.3759



21.6626, 0.2974, 0.3414



11.0022, 0.3296, 0.4654



5.0773, 0.2960, 0.3427



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.



10.8628, 0.2684, 0.3759



18.4653, 0.2616, 0.3893



9.7317, 0.2470, 0.3083



3.1705, 0.3038, 0.3360



12.7327, 0.2547, 0.4369



66.2407, 0.2567, 0.4439

Inverse Universe

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



5.6109, 0.3959, 0.2882



8.0771, 0.4275, 0.2803



6.1567, 0.4307, 0.3478



2.8601, 0.3225, 0.3221



3.7698, 0.5534, 0.2822



19.5133, 0.5682, 0.2904

Previews

White Background



This preview shows how the Yxy color 10.8624, 0.2684, 0.3759 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 10.8624, 0.2684, 0.3759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

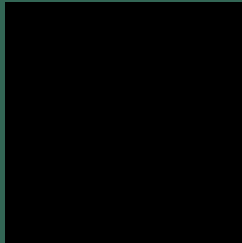
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8624, 0.2684, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 10.8624, 0.2684, 0.3759.



This preview shows how white text looks on a background with the Yxy color 10.8624, 0.2684, 0.3759.

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

10.8624, 0.2684, 0.3759

Protanopia

10.7749, 0.3389, 0.3578

Deuteranopia

10.7329, 0.3374, 0.3314



Tritanopia

10.8551, 0.2501, 0.3084

Trichromacy



Original Color

10.8624, 0.2684, 0.3759

Protanomaly

10.6804, 0.3080, 0.3650

Deuteranomaly

10.5783, 0.3073, 0.3466

Tritanomaly

10.8274, 0.2567, 0.3315

Monochromacy



Original Color

10.8624, 0.2684, 0.3759

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.5545, 0.2935, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8624, 0.2684, 0.3759 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(51, 102, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 102, 85) }
```

Border

The CSS property to change the border of an element to Yxy 10.8624, 0.2684, 0.3759 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, 85) }
```

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

```
.border{ border-color:rgb(51, 102, 85) }
```

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, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 102, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 102, 85);  
box-shadow:4px 4px 4px 4px rgb(51, 102,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8624, 0.2684, 0.3759 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, 85) }
```

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

```
.background{ background-color: rgb(51, 102,  
85) }
```

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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