

Converting Colors

$Y_{xy}(10.5456, 0.2850, 0.3662)$

Have a look what the booklet for
Yxy(10.5456, 0.2850, 0.3662)
contains.

Yxy(10.5337, 0.2859, 0.3666)	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(10.5337, 0.2859, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	426254
RGB	66, 98, 84
RGB Percent	26%, 38%, 33%
CMY	0.7411, 0.6157, 0.6706
CMYK	0.33, 0.00, 0.14, 0.62
HSL	154°, 20%, 32%
HSV	154°, 33%, 38%
XYZ	8.2149, 10.5337, 9.9849
YIQ	86.8360, -14.5780, -11.1380

Conversions

Conversions Part 2

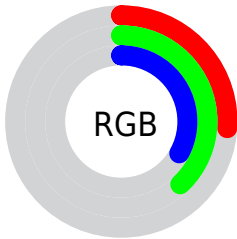
Format	Color
RYB	66, 86, 98
Decimal	4350548
CIELab	38.78, -15.07, 4.26
CIELCh	39, 15.661, 164.198
Yxy	10.5337, 0.2859, 0.3666
Android (android.graphics.Color)	4282540628 (0xFF426254)
YUV	86.8360, -1.3981, -18.2732
Hunter-Lab	32.4557, -11.6170, 4.4786

Details

The Yxy color **10.5337, 0.2859, 0.3666** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.0744, 0.3511, 0.2945**, and the grayscale version is **9.4998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8332, 0.2937, 0.3573**, and **2.6736, 0.2706, 0.3891** is the 20% darker color. If you saturate the color by 10%, you get **10.1571, 0.2789, 0.3804**, and if you desaturate by 10%, it is **10.9736, 0.2936, 0.3539**.

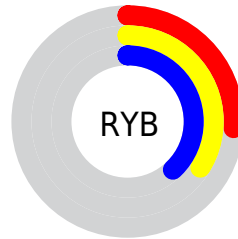
Distribution



Red (26%)

Green (38%)

Blue (33%)



Red (26%)

Yellow (34%)

Blue (38%)

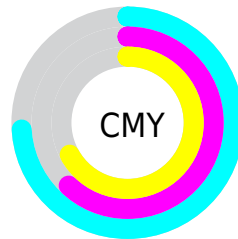


Cyan (33%)

Magenta (0%)

Yellow (14%)

Black (62%)



Cyan (74%)


Magenta (62%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5337, 0.2859, 0.3666 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 10.5337, 0.2859, 0.3666 by changing the saturation by 10% instead.


 10.5337, 0.2859,
0.3666


 10.5337, 0.2859,
0.3666

194.4399, 0.3028,
0.3428


 5.7542, 0.2797,
0.3755

 26.7946, 0.2932,
0.3562


 2.6962, 0.2697,
0.3900


 39.0448, 0.2956,
0.3529

 0.9753, 0.2427,
0.4255

 54.5541, 0.2974,
0.3503

 0.0000, 0.0000,
0.0000

 73.7068, 0.2989,
0.3482

 96.8874, 0.3001,
0.3465

124.4801, 0.3012,

0.3450

156.8695, 0.3020,
0.3438

■ 10.5337, 0.2859,
0.3666

■ 10.5337, 0.2859,
0.3666

■ 10.1571, 0.2789,
0.3804

■ 10.9736, 0.2936,
0.3539

■ 9.8395, 0.2729,
0.3951

■ 11.4785, 0.3019,
0.3422

■ 9.5780, 0.2682,
0.4105

■ 12.0513, 0.3104,
0.3316

■ 9.3690, 0.2650,
0.4264

■ 12.6945, 0.3191,
0.3221

■ 9.2083, 0.2635,
0.4424

■ 13.4106, 0.3277,
0.3136

■ 9.0898, 0.2636,
0.4584

■ 14.2019, 0.3362,
0.3061

■ 9.0120, 0.2639,
0.4702

■ 15.0704, 0.3444,
0.2994

■ 16.0182, 0.3524,
0.2935

■ 17.0474, 0.3601,
0.2884

Harmonies

Analogous

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



10.5337, 0.3209, 0.3892



10.5337, 0.2859, 0.3666



10.5337, 0.2591, 0.3327

Triad

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



10.5337, 0.2859, 0.3666



10.5337, 0.2696, 0.2702



10.5337, 0.3839, 0.3514

Complementary

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



10.5337, 0.2859, 0.3666



7.0744, 0.3511, 0.2945

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.



10.5337, 0.3688, 0.3218



10.5337, 0.2859, 0.3666



10.5337, 0.3012, 0.2767

Square

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



10.5337, 0.2859, 0.3666



10.5337, 0.2501, 0.2780



10.5337, 0.3378, 0.2952



10.5337, 0.3786, 0.3775

Rectangle

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



10.5337, 0.2859, 0.3666



10.5337, 0.2488, 0.3101



10.5337, 0.3378, 0.2952



10.5337, 0.3811, 0.3416

Sweetspot

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



10.5341, 0.2859, 0.3666



20.3391, 0.3039, 0.3396



10.8523, 0.3301, 0.4120



4.8128, 0.3031, 0.3406



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.5341, 0.2859, 0.3666



17.9531, 0.2805, 0.3769



10.4798, 0.2687, 0.3247



2.8775, 0.3051, 0.3381



11.9919, 0.2646, 0.4726



63.8841, 0.2672, 0.4819

Inverse Universe

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



7.0744, 0.3511, 0.2945



10.8790, 0.3634, 0.2862



7.0779, 0.3797, 0.3332



2.6066, 0.3210, 0.3201



3.6810, 0.5118, 0.2593



19.4931, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 10.5337, 0.2859, 0.3666 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 10.5337, 0.2859, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

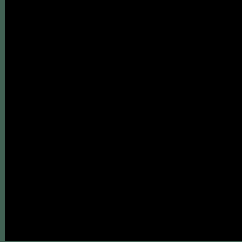
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5337, 0.2859, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 10.5337, 0.2859, 0.3666.



This preview shows how white text looks on a background with the Yxy color 10.5337, 0.2859, 0.3666.

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

10.5337, 0.2859, 0.3666

Protanopia

10.4943, 0.3359, 0.3558

Deuteranopia

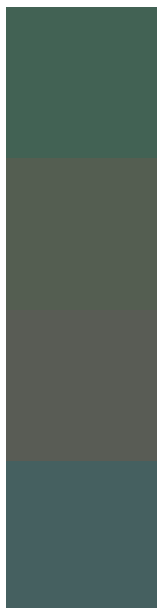
10.4761, 0.3392, 0.3337



Tritanopia

10.4658, 0.2674, 0.3087

Trichromacy



Original Color

10.5337, 0.2859, 0.3666

Protanomaly

10.4843, 0.3158, 0.3621

Deuteranomaly

10.4340, 0.3182, 0.3464

Tritanomaly

10.4755, 0.2747, 0.3289

Monochromacy



Original Color

10.5337, 0.2859, 0.3666

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.8163, 0.3012, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5337, 0.2859, 0.3666 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(66, 98, 84)` looks like.

```
.text, #text, p{  
    color:rgb(66, 98, 84)  
}
```

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(66, 98, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 98, 84) }
```

Border

The CSS property to change the border of an element to Yxy 10.5337, 0.2859, 0.3666 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(66, 98, 84) }
```

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

```
.border{ border-color:rgb(66, 98, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 98, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 98, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 98, 84);  
box-shadow:4px 4px 4px 4px rgb(66, 98, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.5337, 0.2859, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 98, 84) }
```

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

```
.background{ background-color: rgb(66, 98,  
84) }
```

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