

Converting Colors

$Y_{xy}(10.0733, 0.3374, 0.2771)$

Have a look what the booklet for
Yxy(10.0733, 0.3374, 0.2771)
contains.

Yxy(10.0729, 0.3359, 0.2764)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.0729, 0.3359, 0.2764)

Conversions

Conversions Part 1

Format	Color
Hex	734E67
RGB	115, 78, 103
RGB Percent	45%, 31%, 40%
CMY	0.5491, 0.6941, 0.5961
CMYK	0.00, 0.32, 0.10, 0.55
HSL	319°, 19%, 38%
HSV	319°, 32%, 45%
XYZ	12.2413, 10.0729, 14.1290
YIQ	91.9130, 14.0270, 15.6190

Conversions

Conversions Part 2

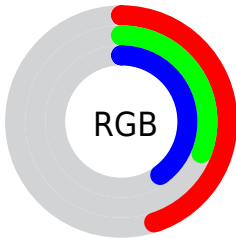
Format	Color
R_{YB}	115, 78, 103
Decimal	7556711
CIE Lab	37.97, 19.86, -8.20
CIE LCh	38, 21.486, 337.571
Yxy	10.0729, 0.3359, 0.2764
Android (android.graphics.Color)	4285746791 (0xFF734E67)
YUV	91.9130, 5.4659, 20.2473
Hunter-Lab	31.7378, 13.3062, -4.1782

Details

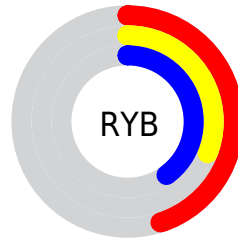
The Yxy color **10.0729, 0.3359, 0.2764** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **14.6171, 0.2953, 0.3883**, and the grayscale version is **10.6664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0963, 0.3306, 0.2905**, and **2.5315, 0.3476, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **8.5063, 0.3456, 0.2599**, and if you desaturate by 10%, it is **11.9295, 0.3275, 0.2932**.

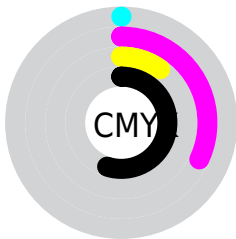
Distribution



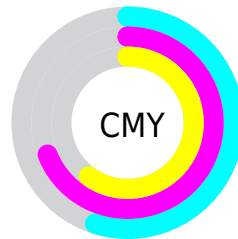
- Red (45%)
- Green (31%)
- Blue (40%)



- Red (45%)
- Yellow (31%)
- Blue (40%)



- Cyan (0%)
- Magenta (32%)
- Yellow (10%)
- Black (55%)





- Cyan (55%)
- Magenta (69%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0729, 0.3359, 0.2764 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 10.0729, 0.3359, 0.2764 by changing the saturation by 10% instead.


 10.0729, 0.3359,
0.2764

 10.0729, 0.3359,
0.2764


191.1916, 0.3219,
0.3082


 5.4473, 0.3406,
0.2657


 25.9325, 0.3301,
0.2897


 2.5120, 0.3476,
0.2497

 37.9354, 0.3281,
0.2941


 0.8827, 0.3592,
0.2230

 53.1661, 0.3266,
0.2976

 0.0000, 0.4523,
0.0000

 72.0091, 0.3253,
0.3005

 0.0000, 0.0000,
0.0000

 94.8487, 0.3243,
0.3029

122.0694, 0.3234,

0.3049

154.0556, 0.3226,
0.3067

■ 10.0729, 0.3359,
0.2764

■ 10.0729, 0.3359,
0.2764

■ 8.5063, 0.3456,
0.2599

■ 11.9295, 0.3275,
0.2932

■ 7.2135, 0.3564,
0.2443

■ 14.0885, 0.3202,
0.3097

■ 6.1786, 0.3684,
0.2305


■ 16.5635, 0.3139,
0.3257

■ 5.3836, 0.3812,
0.2195


■ 19.3666, 0.3086,
0.3408


■ 4.8082, 0.3945,
0.2121

■ 22.5093, 0.3042,
0.3549


 4.4281, 0.4079,
0.2091

 26.0026, 0.3004,
0.3680

 4.1896, 0.4188,
0.2081

 29.8569, 0.2973,
0.3801

 34.0825, 0.2947,
0.3913

 38.6888, 0.2924,
0.4015

Harmonies

Analogous

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



10.0729, 0.2856, 0.2549



10.0729, 0.3359, 0.2764



10.0729, 0.3829, 0.3097

Triad

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



10.0729, 0.3359, 0.2764



10.0729, 0.3793, 0.4140



10.0729, 0.2243, 0.2965

Complementary

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



10.0729, 0.3359, 0.2764



14.6171, 0.2953, 0.3883

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.



10.0729, 0.2454, 0.3444



10.0729, 0.3359, 0.2764



10.0729, 0.3339, 0.4180

Square

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



10.0729, 0.3359, 0.2764



10.0729, 0.4080, 0.3869



10.0729, 0.2849, 0.3917



10.0729, 0.2247, 0.2632

Rectangle

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



10.0729, 0.3359, 0.2764



10.0729, 0.4040, 0.3357



10.0729, 0.2849, 0.3917



10.0729, 0.2290, 0.3113

Sweetspot

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



10.0734, 0.3359, 0.2764



26.0299, 0.3189, 0.3128



8.8474, 0.2761, 0.2441



6.0975, 0.3196, 0.3110



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.0734, 0.3359, 0.2764



15.7921, 0.3434, 0.2633



9.7468, 0.3685, 0.3144



3.7387, 0.3181, 0.3148



4.7867, 0.4196, 0.2085



23.1639, 0.4262, 0.2122

Inverse Universe

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



10.0734, 0.3359, 0.2764



15.7921, 0.3434, 0.2633



14.9660, 0.2759, 0.3444



3.7387, 0.3181, 0.3148



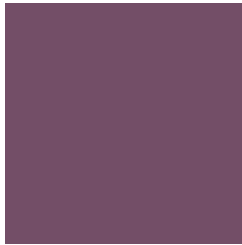
4.7867, 0.4196, 0.2085



23.1639, 0.4262, 0.2122

Previews

White Background



This preview shows how the Yxy color 10.0729, 0.3359, 0.2764 looks on a white background.

Color Contrast Check

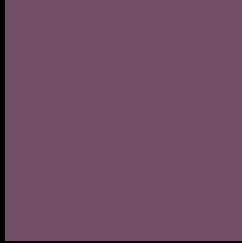
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0729, 0.3359, 0.2764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

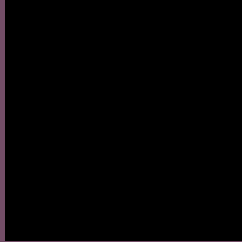
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0729, 0.3359, 0.2764

Background



This preview shows how black text looks on a background with the Yxy color 10.0729, 0.3359, 0.2764.



This preview shows how white text looks on a background with the Yxy color 10.0729, 0.3359, 0.2764.

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

10.0729, 0.3359, 0.2764

Protanopia

10.2018, 0.2775, 0.2793

Deuteranopia

10.0831, 0.3015, 0.2959



Tritanopia

10.0837, 0.3595, 0.3160

Trichromacy



Original Color

10.0729, 0.3359, 0.2764

Protanomaly

10.0453, 0.2975, 0.2786

Deuteranomaly

10.0667, 0.3130, 0.2881

Tritanomaly

10.1050, 0.3510, 0.3010

Monochromacy



Original Color

10.0729, 0.3359, 0.2764

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.3702, 0.3203, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0729, 0.3359, 0.2764 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(115, 78, 103)` looks like.

```
.text, #text, p{  
    color:rgb(115, 78, 103)  
}
```

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(115, 78, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 78, 103) }
```

Border

The CSS property to change the border of an element to Yxy 10.0729, 0.3359, 0.2764 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(115, 78, 103) }
```

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

```
.border{ border-color:rgb(115, 78, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 78, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 78, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 78, 103);  
box-shadow:4px 4px 4px 4px rgb(115, 78,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0729, 0.3359, 0.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 78, 103) }
```

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

```
.background{ background-color: rgb(115, 78,  
103) }
```

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