

Converting Colors

$Y_{xy}(17.7608, 0.3426, 0.3375)$

Have a look what the booklet for
Yxy(17.7608, 0.3426, 0.3375)
contains.

Yxy(17.7397, 0.3420, 0.3366)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7397, 0.3420, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	83716D
RGB	131, 113, 109
RGB Percent	51%, 44%, 43%
CMY	0.4863, 0.5568, 0.5726
CMYK	0.00, 0.14, 0.17, 0.49
HSL	11°, 9%, 47%
HSV	11°, 17%, 51%
XYZ	18.0243, 17.7397, 16.9386
YIQ	117.9260, 12.0120, 2.5720

Conversions

Conversions Part 2

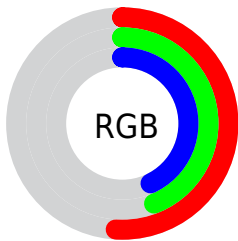
Format	Color
R_{YB}	131, 114, 109
Decimal	8614253
CIE Lab	49.18, 6.32, 4.81
CIE LCh	49, 7.942, 37.300
Yxy	17.7397, 0.3420, 0.3366
Android (android.graphics.Color)	4286804333 (0xFF83716D)
YUV	117.9260, -4.4005, 11.4659
Hunter-Lab	42.1185, 2.6803, 5.6386

Details

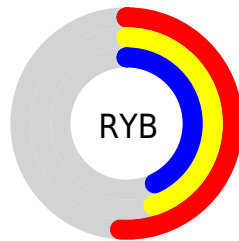
The Yxy color **17.7397, 0.3420, 0.3366** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.0616, 0.2881, 0.3213**, and the grayscale version is **18.1036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6387, 0.3352, 0.3358**, and **5.8777, 0.3537, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **15.2290, 0.3643, 0.3415**, and if you desaturate by 10%, it is **20.5759, 0.3235, 0.3320**.

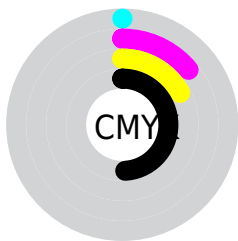
Distribution



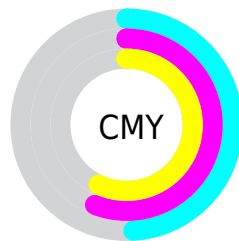
- Red (51%)
- Green (44%)
- Blue (43%)



- Red (51%)
- Yellow (45%)
- Blue (43%)



- Cyan (0%)
- Magenta (14%)
- Yellow (17%)
- Black (49%)




- Cyan (49%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7397, 0.3420, 0.3366 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 17.7397, 0.3420, 0.3366 by changing the saturation by 10% instead.


 17.7397, 0.3420,
0.3366


 17.7397, 0.3420,
0.3366


239.3997, 0.3249,
0.3324


 10.7633, 0.3474,
0.3378


 39.5933, 0.3351,
0.3349


 5.9079, 0.3552,
0.3395

 55.2392, 0.3327,
0.3344

 2.7891, 0.3674,
0.3420

 74.5438, 0.3308,
0.3339

 1.0227, 0.3912,
0.3473

 97.8914, 0.3292,
0.3335

 0.0000, 1.0000,
0.0000

125.6663, 0.3279,
0.3331

 0.0000, 0.0000,
0.0000

158.2531, 0.3268,

0.3328

196.0361, 0.3258,
0.3326

■ 17.7397, 0.3420,
0.3366

■ 17.7397, 0.3420,
0.3366

■ 15.2290, 0.3643,
0.3415

■ 20.5759, 0.3235,
0.3320

■ 13.0299, 0.3909,
0.3464

■ 23.7464, 0.3081,
0.3277

■ 11.1308, 0.4223,
0.3511

■ 27.2623, 0.2953,
0.3237

■ 9.5187, 0.4583,
0.3550

■ 31.1338, 0.2846,
0.3201

■ 8.1793, 0.4979,
0.3574

■ 35.3705, 0.2757,
0.3168

■ 7.0974, 0.5385,
0.3576

■ 39.9815, 0.2681,
0.3138

■ 6.2560, 0.5762,
0.3549

■ 44.9759, 0.2617,
0.3111

■ 5.6339, 0.6073,
0.3498

■ 50.3623, 0.2563,
0.3087

■ 5.4748, 0.6166,
0.3486

■ 56.1490, 0.2516,
0.3064

Harmonies

Analogous

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



17.7397, 0.3339, 0.3234



17.7397, 0.3420, 0.3366



17.7397, 0.3420, 0.3483

Triad

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



17.7397, 0.3420, 0.3366



17.7397, 0.3049, 0.3472



17.7397, 0.2916, 0.3035

Complementary

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



17.7397, 0.3420, 0.3366



20.0616, 0.2881, 0.3213

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.



17.7397, 0.2842, 0.3091



17.7397, 0.3420, 0.3366



17.7397, 0.2918, 0.3343

Square

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



17.7397, 0.3420, 0.3366



17.7397, 0.3203, 0.3549



17.7397, 0.2843, 0.3202



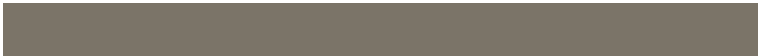
17.7397, 0.3046, 0.3046

Rectangle

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



17.7397, 0.3420, 0.3366



17.7397, 0.3374, 0.3536



17.7397, 0.2843, 0.3202



17.7397, 0.2884, 0.3046

Sweetspot

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



17.7405, 0.3420, 0.3366



37.7642, 0.3207, 0.3312



17.3005, 0.3192, 0.2956



8.7158, 0.3217, 0.3315



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.7405, 0.3420, 0.3366



30.0588, 0.3497, 0.3384



20.2587, 0.3389, 0.3560



4.8162, 0.3275, 0.3330



5.3927, 0.6165, 0.3487



0.0266, 0.5542, 0.3982

Inverse Universe

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



20.0616, 0.2881, 0.3213



34.9959, 0.2828, 0.3194



17.4546, 0.2872, 0.3004



5.1382, 0.2992, 0.3249



11.9836, 0.2087, 0.2713



0.0508, 0.2171, 0.3016

Previews

White Background



This preview shows how the Yxy color 17.7397, 0.3420, 0.3366 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 17.7397, 0.3420, 0.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

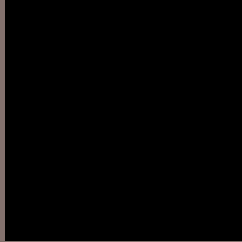
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7397, 0.3420, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 17.7397, 0.3420, 0.3366.

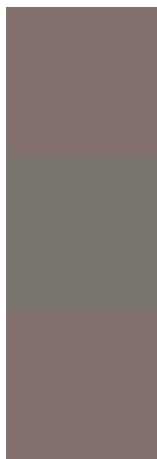


This preview shows how white text looks on a background with the Yxy color 17.7397, 0.3420, 0.3366.

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

17.7397, 0.3420, 0.3366

Protanopia

17.8633, 0.3238, 0.3407

Deuteranopia

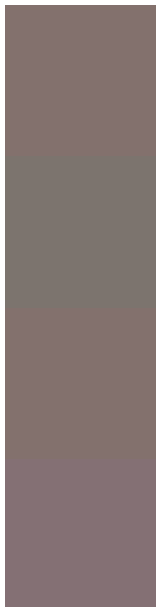
17.7397, 0.3420, 0.3366



Tritanopia

17.6305, 0.3295, 0.3125

Trichromacy



Original Color

17.7397, 0.3420, 0.3366

Protanomaly

17.9017, 0.3305, 0.3406

Deuteranomaly

17.7397, 0.3420, 0.3366

Tritanomaly

17.7548, 0.3345, 0.3217

Monochromacy



Original Color

17.7397, 0.3420, 0.3366

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.9395, 0.3230, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7397, 0.3420, 0.3366 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(131, 113, 109)` looks like.

```
.text, #text, p{  
    color:rgb(131, 113, 109)  
}
```

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(131, 113, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 113, 109) }
```

Border

The CSS property to change the border of an element to Yxy 17.7397, 0.3420, 0.3366 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(131, 113, 109) }
```

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

```
.border{ border-color:rgb(131, 113, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 113, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 113, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 113, 109);  
box-shadow:4px 4px 4px 4px rgb(131, 113,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7397, 0.3420, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 113, 109) }
```

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

```
.background{ background-color: rgb(131,  
113, 109) }
```

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