

Converting Colors

$Y_{xy}(17.6085, 0.3363, 0.4155)$

Have a look what the booklet for
Yxy(17.6085, 0.3363, 0.4155)
contains.

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Color

Yxy(17.7031, 0.3365, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	687B51
RGB	104, 123, 81
RGB Percent	41%, 48%, 32%
CMY	0.5921, 0.5177, 0.6823
CMYK	0.15, 0.00, 0.34, 0.52
HSL	87°, 21%, 40%
HSV	87°, 34%, 48%
XYZ	14.2787, 17.7031, 10.4513
YIQ	112.5310, 2.1580, -17.0900

Conversions

Conversions Part 2

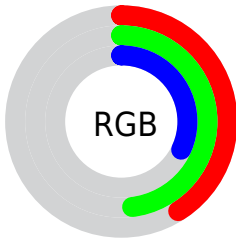
Format	Color
R_{YB}	81, 123, 100
Decimal	6847313
CIE _{Lab}	49.13, -14.95, 20.73
CIE _{LCh}	49, 25.557, 125.803
Yxy	17.7031, 0.3365, 0.4172
Android (android.graphics.Color)	4285037393 (0xFF687B51)
YUV	112.5310, -15.5448, -7.4817
Hunter-Lab	42.0751, -13.0549, 14.7251

Details

The Yxy color **17.7031, 0.3365, 0.4172** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.0259, 0.2813, 0.2396**, and the grayscale version is **16.4152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7573, 0.3317, 0.3957**, and **5.8597, 0.3442, 0.4602** is the 20% darker color. If you saturate the color by 10%, you get **17.2137, 0.3424, 0.4453**, and if you desaturate by 10%, it is **18.2494, 0.3299, 0.3896**.

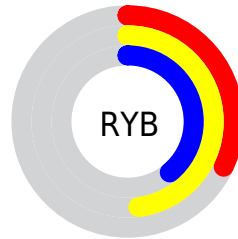
Distribution



Red (41%)

Green (48%)

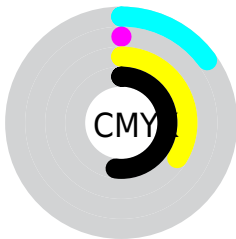
Blue (32%)



Red (32%)

Yellow (48%)

Blue (39%)

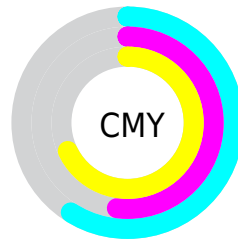


Cyan (15%)

Magenta (0%)

Yellow (34%)

Black (52%)



Cyan (59%)


Magenta (52%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7031, 0.3365, 0.4172 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 17.7031, 0.3365, 0.4172 by changing the saturation by 10% instead.


 17.7031, 0.3365,
0.4172


 17.7031, 0.3365,
0.4172


239.1922, 0.3238,
0.3646


 10.7370, 0.3397,
0.4343


 39.5308, 0.3318,
0.3955


 5.8903, 0.3434,
0.4592

 55.1612, 0.3300,
0.3882


 2.7785, 0.3472,
0.4989

 74.4484, 0.3286,
0.3823

 1.0172, 0.3695,
0.6305

 97.7770, 0.3273,
0.3775

 0.0000, 0.0000,
0.0000

 125.5313, 0.3262,
0.3734

158.0957, 0.3253,

0.3700

195.8545, 0.3245,
0.3671

■ 17.7031, 0.3365,
0.4172

■ 17.7031, 0.3365,
0.4172

■ 17.2137, 0.3424,
0.4453

■ 18.2494, 0.3299,
0.3896

■ 16.7768, 0.3470,
0.4730

■ 18.8524, 0.3228,
0.3633

■ 16.3906, 0.3502,
0.4991


■ 19.5148, 0.3157,
0.3386

■ 16.0525, 0.3514,
0.5223

■ 20.2385, 0.3086,
0.3159

■ 15.7595, 0.3505,
0.5415


■ 21.0252, 0.3017,
0.2952

 15.5078, 0.3476,
0.5560

 21.8766, 0.2951,
0.2764

 15.3726, 0.3456,
0.5638

 22.7944, 0.2890,
0.2595

 23.7801, 0.2832,
0.2443

 24.8352, 0.2778,
0.2307

Harmonies

Analogous

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



17.7031, 0.3807, 0.4118



17.7031, 0.3365, 0.4172



17.7031, 0.2880, 0.3930

Triad

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



17.7031, 0.3365, 0.4172



17.7031, 0.2252, 0.2656



17.7031, 0.3795, 0.3079

Complementary

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



17.7031, 0.3365, 0.4172



10.0259, 0.2813, 0.2396

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.



17.7031, 0.3326, 0.2755



17.7031, 0.3365, 0.4172



17.7031, 0.2451, 0.2509

Square

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



17.7031, 0.3365, 0.4172



17.7031, 0.2261, 0.2995



17.7031, 0.2833, 0.2551



17.7031, 0.4078, 0.3465

Rectangle

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



17.7031, 0.3365, 0.4172



17.7031, 0.2598, 0.3637



17.7031, 0.2833, 0.2551



17.7031, 0.3652, 0.2961

Sweetspot

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



17.7039, 0.3365, 0.4172



34.2091, 0.3201, 0.3535



13.9015, 0.3755, 0.3675



8.0248, 0.3209, 0.3564



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.7039, 0.3365, 0.4172



31.0047, 0.3412, 0.4393



16.6040, 0.3106, 0.4246



4.5481, 0.3192, 0.3506



15.9000, 0.3455, 0.5639



75.3334, 0.3421, 0.5666

Inverse Universe

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



10.0259, 0.2813, 0.2396



15.0336, 0.2720, 0.2167



11.3745, 0.3132, 0.2476



3.9740, 0.3058, 0.3074



2.3345, 0.1966, 0.0857



10.6437, 0.1915, 0.0828

Previews

White Background



This preview shows how the Yxy color 17.7031, 0.3365, 0.4172 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 17.7031, 0.3365, 0.4172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

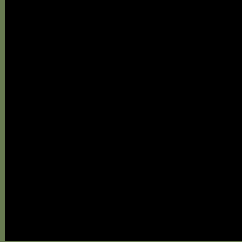
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7031, 0.3365, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 17.7031, 0.3365, 0.4172.



This preview shows how white text looks on a background with the Yxy color 17.7031, 0.3365, 0.4172.

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

17.7031, 0.3365, 0.4172

Protanopia

17.4765, 0.3736, 0.4024

Deuteranopia

17.6161, 0.3869, 0.3822



Tritanopia

17.6344, 0.2939, 0.3095

Trichromacy



Original Color

17.7031, 0.3365, 0.4172

Protanomaly

17.6097, 0.3594, 0.4089

Deuteranomaly

17.5356, 0.3686, 0.3948

Tritanomaly

17.5076, 0.3094, 0.3473

Monochromacy



Original Color

17.7031, 0.3365, 0.4172

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.9772, 0.3228, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7031, 0.3365, 0.4172 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(104, 123, 81)` looks like.

```
.text, #text, p{  
    color:rgb(104, 123, 81)  
}
```

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(104, 123, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 123, 81) }
```

Border

The CSS property to change the border of an element to Yxy 17.7031, 0.3365, 0.4172 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(104, 123, 81) }
```

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

```
.border{ border-color:rgb(104, 123, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 123, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 123, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 123, 81);  
box-shadow:4px 4px 4px 4px rgb(104, 123,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7031, 0.3365, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 123, 81) }
```

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

```
.background{ background-color: rgb(104,  
123, 81) }
```

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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