

Converting Colors

$Y_{xy}(19.4170, 0.3444, 0.3653)$

Have a look what the booklet for
Yxy(19.4170, 0.3444, 0.3653)
contains.

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Color

Yxy(19.5455, 0.3452, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	817A66
RGB	129, 122, 102
RGB Percent	51%, 48%, 40%
CMY	0.4942, 0.5215, 0.6000
CMYK	0.00, 0.05, 0.21, 0.49
HSL	44°, 12%, 45%
HSV	44°, 21%, 51%
XYZ	18.4096, 19.5455, 15.3751
YIQ	121.8130, 10.5920, -4.7360

Conversions

Conversions Part 2

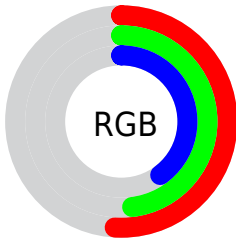
Format	Color
R_{YB}	111, 129, 102
Decimal	8485478
CIE Lab	51.32, -0.88, 11.92
CIE LCh	51, 11.953, 94.205
Yxy	19.5455, 0.3452, 0.3665
Android (android.graphics.Color)	4286675558 (0xFF817A66)
YUV	121.8130, -9.7678, 6.3030
Hunter-Lab	44.2103, -3.0390, 10.3278

Details

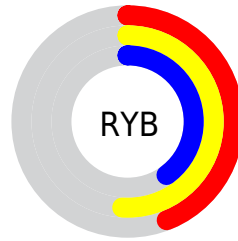
The Yxy color **19.5455, 0.3452, 0.3665** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3442, 0.2803, 0.2885**, and the grayscale version is **19.4278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5171, 0.3378, 0.3575**, and **6.7032, 0.3582, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **18.5047, 0.3625, 0.3851**, and if you desaturate by 10%, it is **20.6560, 0.3290, 0.3482**.

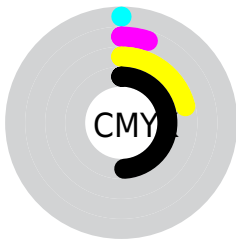
Distribution



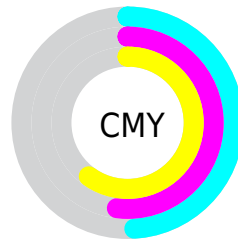
- Red (51%)
- Green (48%)
- Blue (40%)



- Red (44%)
- Yellow (51%)
- Blue (40%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (49%)





- Cyan (49%)
- Magenta (52%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5455, 0.3452, 0.3665 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 19.5455, 0.3452, 0.3665 by changing the saturation by 10% instead.


 19.5455, 0.3452,
0.3665


 19.5455, 0.3452,
0.3665


249.4439, 0.3267,
0.3450


 12.0651, 0.3508,
0.3730


 42.6539, 0.3378,
0.3579


 6.7880, 0.3586,
0.3822


 59.0506, 0.3352,
0.3549

 3.3299, 0.3705,
0.3962

 79.1883, 0.3332,
0.3525

 1.3063, 0.3979,
0.4281

 103.4512, 0.3314,
0.3505

 0.1461, 0.4457,
0.5543

132.2239, 0.3300,
0.3488

 0.0000, 0.0000,
0.0000

165.8906, 0.3287,

0.3474

204.8358, 0.3276,
0.3461

■ 19.5455, 0.3452,
0.3665

■ 19.5455, 0.3452,
0.3665

■ 18.5047, 0.3625,
0.3851

■ 20.6560, 0.3290,
0.3482

■ 17.5289, 0.3805,
0.4034

■ 21.8355, 0.3140,
0.3306

■ 16.6167, 0.3988,
0.4207

■ 23.0869, 0.3003,
0.3139

■ 15.7656, 0.4169,
0.4361

■ 24.4119, 0.2879,
0.2983

■ 14.9730, 0.4338,
0.4487

■ 25.8122, 0.2767,
0.2838

■ 14.2358, 0.4490,
0.4575

■ 27.2895, 0.2666,
0.2705

■ 13.5506, 0.4617,
0.4619

■ 28.8454, 0.2576,
0.2582

■ 12.9635, 0.4719,
0.4635

■ 30.4815, 0.2495,
0.2470

■ 32.1991, 0.2422,
0.2367

Harmonies

Analogous

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



19.5455, 0.3560, 0.3552



19.5455, 0.3452, 0.3665



19.5455, 0.3258, 0.3677

Triad

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



19.5455, 0.3452, 0.3665



19.5455, 0.2723, 0.3179



19.5455, 0.3211, 0.3028

Complementary

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



19.5455, 0.3452, 0.3665



15.3442, 0.2803, 0.2885

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.



19.5455, 0.2986, 0.2933



19.5455, 0.3452, 0.3665



19.5455, 0.2711, 0.3011

Square

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



19.5455, 0.3452, 0.3665



19.5455, 0.2839, 0.3388



19.5455, 0.2805, 0.2925



19.5455, 0.3419, 0.3188

Rectangle

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



19.5455, 0.3452, 0.3665



19.5455, 0.3108, 0.3621



19.5455, 0.2805, 0.2925



19.5455, 0.3134, 0.2988

Sweetspot

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



19.5464, 0.3452, 0.3665



37.9927, 0.3217, 0.3397



15.2791, 0.3421, 0.3153



8.5751, 0.3225, 0.3406



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



19.5464, 0.3452, 0.3665



34.1258, 0.3531, 0.3752



20.8439, 0.3350, 0.3801



4.8371, 0.3262, 0.3449



12.6497, 0.4719, 0.4635



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.3442, 0.2803, 0.2885



25.2127, 0.2724, 0.2781



14.2965, 0.2874, 0.2751



4.3786, 0.2993, 0.3126



2.6317, 0.1599, 0.0955



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.5455, 0.3452, 0.3665 looks on a white 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

Black Background



This preview shows how the Yxy color 19.5455, 0.3452, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

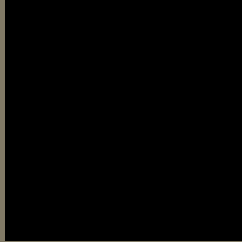
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5455, 0.3452, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 19.5455, 0.3452, 0.3665.



This preview shows how white text looks on a background with the Yxy color 19.5455, 0.3452, 0.3665.

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

19.5455, 0.3452, 0.3665

Protanopia

19.5455, 0.3452, 0.3665

Deuteranopia

19.5989, 0.3615, 0.3559



Tritanopia

19.4209, 0.3186, 0.3111

Trichromacy



Original Color

19.5455, 0.3452, 0.3665

Protanomaly

19.5455, 0.3452, 0.3665

Deuteranomaly

19.4913, 0.3557, 0.3581

Tritanomaly

19.3509, 0.3280, 0.3290

Monochromacy



Original Color

19.5455, 0.3452, 0.3665

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5168, 0.3245, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5455, 0.3452, 0.3665 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(129, 122, 102)` looks like.

```
.text, #text, p{  
    color:rgb(129, 122, 102)  
}
```

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(129, 122, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 122, 102) }
```

Border

The CSS property to change the border of an element to Yxy 19.5455, 0.3452, 0.3665 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(129, 122, 102) }
```

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

```
.border{ border-color:rgb(129, 122, 102) }
```

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

Here you see how a box with a 4 pixel rgb(129, 122, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 122, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 122, 102);  
box-shadow:4px 4px 4px 4px rgb(129, 122,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5455, 0.3452, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 122, 102) }
```

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

```
.background{ background-color: rgb(129,  
122, 102) }
```

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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