

Converting Colors

$Y_{xy}(19.6799, 0.3400, 0.4045)$

Have a look what the booklet for
Yxy(19.6799, 0.3400, 0.4045)
contains.

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Color

Yxy(19.5449, 0.3404, 0.4041)

Conversions

Conversions Part 1

Format	Color
Hex	737F59
RGB	115, 127, 89
RGB Percent	45%, 50%, 35%
CMY	0.5490, 0.5020, 0.6509
CMYK	0.09, 0.00, 0.30, 0.50
HSL	79°, 18%, 42%
HSV	79°, 30%, 50%
XYZ	16.4640, 19.5449, 12.3576
YIQ	119.0800, 5.0460, -14.3620

Conversions

Conversions Part 2

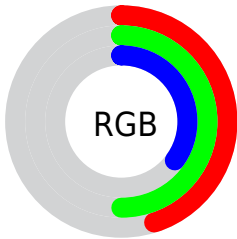
Format	Color
R_{YB}	89, 127, 101
Decimal	7569241
CIE _{Lab}	51.32, -11.45, 19.23
CIE _{LCh}	51, 22.382, 120.758
Yxy	19.5449, 0.3404, 0.4041
Android (android.graphics.Color)	4285759321 (0xFF737F59)
YUV	119.0800, -14.8294, -3.5782
Hunter-Lab	44.2096, -10.8922, 14.3738

Details

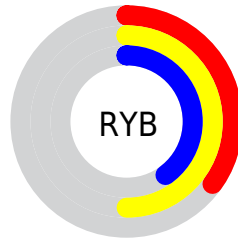
The Yxy color $[19.5449, 0.3404, 0.4041]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[11.4452, 0.2786, 0.2497]$, and the grayscale version is $[18.5222, 0.3127, 0.3290]$.

A 20% lighter version of the original color is $[42.7221, 0.3345, 0.3871]$, and $[6.7814, 0.3489, 0.4376]$ is the 20% darker color. If you saturate the color by 10%, you get $[19.0846, 0.3489, 0.4307]$, and if you desaturate by 10%, it is $[20.0556, 0.3313, 0.3778]$.

Distribution



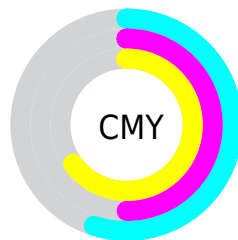
- Red (45%)
- Green (50%)
- Blue (35%)



- Red (35%)
- Yellow (50%)
- Blue (40%)



- Cyan (9%)
- Magenta (0%)
- Yellow (30%)
- Black (50%)



- Cyan (55%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5449, 0.3404, 0.4041 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 19.5449, 0.3404, 0.4041 by changing the saturation by 10% instead.

■ 19.5449, 0.3404,
0.4041

■ 19.5449, 0.3404,
0.4041

■ 249.4406, 0.3253,
0.3602

■ 12.0647, 0.3445,
0.4179

■ 42.6528, 0.3346,
0.3863

■ 6.7877, 0.3497,
0.4376

■ 59.0493, 0.3326,
0.3802

■ 3.3297, 0.3564,
0.4680

■ 79.1867, 0.3308,
0.3752

■ 1.3062, 0.4079,
0.5833

■ 103.4494, 0.3294,
0.3712

■ 0.1460, 0.0000,
1.0000

■ 132.2217, 0.3281,
0.3678

■ 0.0000, 0.0000,
0.0000

165.8881, 0.3271,

0.3649

204.8329, 0.3261,
0.3624

■ 19.5449, 0.3404,
0.4041

■ 19.5449, 0.3404,
0.4041

■ 19.0846, 0.3489,
0.4307

■ 20.0556, 0.3313,
0.3778

■ 18.6699, 0.3565,
0.4569

■ 20.6160, 0.3219,
0.3526

■ 18.2997, 0.3625,
0.4815

■ 21.2287, 0.3126,
0.3288

■ 17.9715, 0.3667,
0.5036

■ 21.8954, 0.3036,
0.3067

■ 17.6824, 0.3686,
0.5220

■ 22.6177, 0.2950,
0.2864

■ 17.4295, 0.3683,
0.5362

■ 23.3972, 0.2869,
0.2679

■ 17.2030, 0.3663,
0.5472

■ 24.2353, 0.2793,
0.2511

■ 17.2011, 0.3663,
0.5473

■ 25.1334, 0.2722,
0.2360

■ 26.0929, 0.2657,
0.2223

Harmonies

Analogous

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



19.5449, 0.3760, 0.3968



19.5449, 0.3404, 0.4041



19.5449, 0.2989, 0.3875

Triad

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



19.5449, 0.3404, 0.4041



19.5449, 0.2364, 0.2791



19.5449, 0.3634, 0.3060

Complementary

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



19.5449, 0.3404, 0.4041



11.4452, 0.2786, 0.2497

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.



19.5449, 0.3226, 0.2792



19.5449, 0.3404, 0.4041



19.5449, 0.2508, 0.2631

Square

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



19.5449, 0.3404, 0.4041



19.5449, 0.2405, 0.3108



19.5449, 0.2815, 0.2637



19.5449, 0.3906, 0.3390

Rectangle

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



19.5449, 0.3404, 0.4041



19.5449, 0.2735, 0.3649



19.5449, 0.2815, 0.2637



19.5449, 0.3507, 0.2961

Sweetspot

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



19.5458, 0.3404, 0.4041



36.9920, 0.3213, 0.3509



14.4259, 0.3694, 0.3517



8.6299, 0.3224, 0.3540



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.



19.5458, 0.3404, 0.4041



34.4193, 0.3464, 0.4226



18.4201, 0.3177, 0.4097



4.9535, 0.3212, 0.3506



17.3469, 0.3663, 0.5474



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.4452, 0.2786, 0.2497



17.4220, 0.2688, 0.2288



12.6290, 0.3049, 0.2556



4.2725, 0.3038, 0.3071



2.0013, 0.1750, 0.0738



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.5449, 0.3404, 0.4041 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 19.5449, 0.3404, 0.4041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

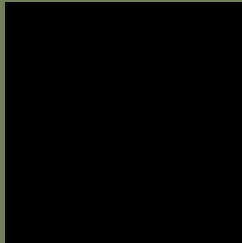
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5449, 0.3404, 0.4041

Background



This preview shows how black text looks on a background with the Yxy color 19.5449, 0.3404, 0.4041.



This preview shows how white text looks on a background with the Yxy color 19.5449, 0.3404, 0.4041.

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

19.5449, 0.3404, 0.4041

Protanopia

19.5127, 0.3673, 0.3939

Deuteranopia

19.4072, 0.3816, 0.3749



Tritanopia

19.6227, 0.3015, 0.3123

Trichromacy



Original Color

19.5449, 0.3404, 0.4041

Protanomaly

19.5555, 0.3571, 0.3974

Deuteranomaly

19.3995, 0.3656, 0.3864

Tritanomaly

19.5982, 0.3156, 0.3443

Monochromacy



Original Color

19.5449, 0.3404, 0.4041

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.8533, 0.3239, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5449, 0.3404, 0.4041 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, 127, 89)` looks like.

```
.text, #text, p{  
    color:rgb(115, 127, 89)  
}
```

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, 127, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 127, 89) }
```

Border

The CSS property to change the border of an element to Yxy 19.5449, 0.3404, 0.4041 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, 127, 89) }
```

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

```
.border{ border-color:rgb(115, 127, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 127, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 127, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 127, 89);  
box-shadow:4px 4px 4px 4px rgb(115, 127,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5449, 0.3404, 0.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 127, 89) }
```

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

```
.background{ background-color: rgb(115,  
127, 89) }
```

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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