

Converting Colors

$Y_{xy}(19.5869, 0.3627, 0.4194)$

Have a look what the booklet for
Yxy(19.5869, 0.3627, 0.4194)
contains.

Yxy(19.6827, 0.3634, 0.4206)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.6827, 0.3634, 0.4206)

Conversions

Conversions Part 1

Format	Color
Hex	7B7E4E
RGB	123, 126, 78
RGB Percent	48%, 49%, 31%
CMY	0.5176, 0.5059, 0.6942
CMYK	0.02, 0.00, 0.38, 0.51
HSL	64°, 24%, 40%
HSV	64°, 38%, 49%
XYZ	17.0059, 19.6827, 10.1081
YIQ	119.6310, 13.6200, -15.5640

Conversions

Conversions Part 2

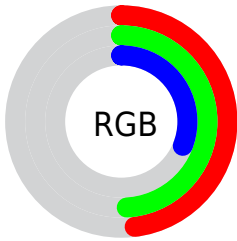
Format	Color
R_{YB}	78, 126, 81
Decimal	8093262
CIE _{Lab}	51.48, -9.10, 25.78
CIE _{LCh}	51, 27.339, 109.446
Yxy	19.6827, 0.3634, 0.4206
Android (android.graphics.Color)	4286283342 (0xFF7B7E4E)
YUV	119.6310, -20.5241, 2.9546
Hunter-Lab	44.3652, -9.2170, 17.5471

Details

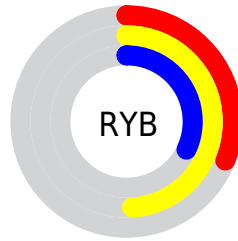
The Yxy color **19.6827, 0.3634, 0.4206** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.7014, 0.2503, 0.2204**, and the grayscale version is **18.7228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0288, 0.3522, 0.3996**, and **6.8285, 0.3806, 0.4590** is the 20% darker color. If you saturate the color by 10%, you get **19.4624, 0.3756, 0.4434**, and if you desaturate by 10%, it is **19.9399, 0.3503, 0.3966**.

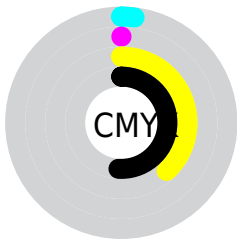
Distribution



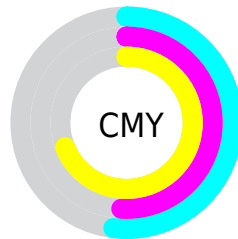
- Red (48%)
- Green (49%)
- Blue (31%)



- Red (31%)
- Yellow (49%)
- Blue (32%)



- Cyan (2%)
- Magenta (0%)
- Yellow (38%)
- Black (51%)



- Cyan (52%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6827, 0.3634, 0.4206 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 19.6827, 0.3634, 0.4206 by changing the saturation by 10% instead.

■ 19.6827, 0.3634,
0.4206

■ 19.6827, 0.3634,
0.4206

■ 250.1922, 0.3356,
0.3677

■ 12.1646, 0.3709,
0.4366

■ 42.8846, 0.3528,
0.3994

■ 6.8559, 0.3805,
0.4589

■ 59.3371, 0.3489,
0.3920

■ 3.3721, 0.3931,
0.4921

■ 79.5366, 0.3457,
0.3861

■ 1.3290, 0.4278,
0.5722

■ 103.8675, 0.3431,
0.3811

■ 0.1635, 0.0000,
1.0000

■ 132.7141, 0.3408,
0.3769

■ 0.0000, 0.0000,
0.0000

166.4608, 0.3388,

0.3734

205.4920, 0.3371,
0.3703

■ 19.6827, 0.3634,
0.4206

■ 19.6827, 0.3634,
0.4206

■ 19.4624, 0.3756,
0.4434

■ 19.9399, 0.3503,
0.3966

■ 19.2743, 0.3863,
0.4640

■ 20.2331, 0.3369,
0.3721

■ 19.1171, 0.3952,
0.4817

■ 20.5649, 0.3234,
0.3480

■ 18.9885, 0.4019,
0.4956

■ 20.9370, 0.3103,
0.3247

■ 18.8854, 0.4061,
0.5056

■ 21.3507, 0.2977,
0.3026

■ 18.8010, 0.4085,
0.5123

■ 21.8076, 0.2859,
0.2819

■ 18.7853, 0.4089,
0.5136

■ 22.3090, 0.2749,
0.2628

■ 22.8562, 0.2648,
0.2453

■ 23.4505, 0.2555,
0.2294

Harmonies

Analogous

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



19.6827, 0.4009, 0.4007



19.6827, 0.3634, 0.4206



19.6827, 0.3141, 0.4127

Triad

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



19.6827, 0.3634, 0.4206



19.6827, 0.2204, 0.2802



19.6827, 0.3566, 0.2878

Complementary

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



19.6827, 0.3634, 0.4206



8.7014, 0.2503, 0.2204

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.



19.6827, 0.3047, 0.2606



19.6827, 0.3634, 0.4206



19.6827, 0.2294, 0.2542

Square

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



19.6827, 0.3634, 0.4206



19.6827, 0.2333, 0.3242



19.6827, 0.2589, 0.2483



19.6827, 0.3983, 0.3248

Rectangle

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



19.6827, 0.3634, 0.4206



19.6827, 0.2814, 0.3903



19.6827, 0.2589, 0.2483



19.6827, 0.3395, 0.2774

Sweetspot

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



19.6836, 0.3634, 0.4206



36.0078, 0.3276, 0.3555



10.7798, 0.3991, 0.3341



8.1760, 0.3291, 0.3581



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.



19.6836, 0.3634, 0.4206



34.2961, 0.3744, 0.4411



18.1575, 0.3331, 0.4305



5.0063, 0.3247, 0.3504



19.2717, 0.4089, 0.5136



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.7014, 0.2503, 0.2204



11.9681, 0.2326, 0.1904



9.9201, 0.2836, 0.2298



4.2235, 0.3001, 0.3068



1.5965, 0.1529, 0.0616



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.6827, 0.3634, 0.4206 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 19.6827, 0.3634, 0.4206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

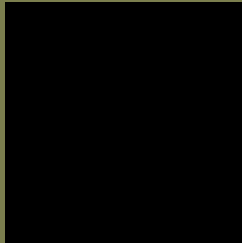
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6827, 0.3634, 0.4206

Background



This preview shows how black text looks on a background with the Yxy color 19.6827, 0.3634, 0.4206.



This preview shows how white text looks on a background with the Yxy color 19.6827, 0.3634, 0.4206.

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

19.6827, 0.3634, 0.4206

Protanopia

19.7701, 0.3811, 0.4127

Deuteranopia

19.5048, 0.3996, 0.3928



Tritanopia

19.6850, 0.3135, 0.3127

Trichromacy



Original Color

19.6827, 0.3634, 0.4206

Protanomaly

19.6970, 0.3750, 0.4161

Deuteranomaly

19.4007, 0.3863, 0.4027

Tritanomaly

19.5569, 0.3330, 0.3515

Monochromacy



Original Color

19.6827, 0.3634, 0.4206

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.0039, 0.3312, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6827, 0.3634, 0.4206 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(123, 126, 78)` looks like.

```
.text, #text, p{  
    color:rgb(123, 126, 78)  
}
```

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(123, 126, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 126, 78) }
```

Border

The CSS property to change the border of an element to Yxy 19.6827, 0.3634, 0.4206 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(123, 126, 78) }
```

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

```
.border{ border-color:rgb(123, 126, 78) }
```

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

Here you see how a box with a 4 pixel rgb(123, 126, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 126, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 126, 78);  
box-shadow:4px 4px 4px 4px rgb(123, 126,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6827, 0.3634, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 126, 78) }
```

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

```
.background{ background-color: rgb(123,  
126, 78) }
```

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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