

Converting Colors

$Y_{xy}(19.8214, 0.3454, 0.4590)$

Have a look what the booklet for
Yxy(19.8214, 0.3454, 0.4590)
contains.

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Color

Yxy(19.8034, 0.3446, 0.4584)

Conversions

Conversions Part 1

Format	Color
Hex	678444
RGB	103, 132, 68
RGB Percent	40%, 52%, 27%
CMY	0.5962, 0.4823, 0.7332
CMYK	0.22, 0.00, 0.48, 0.48
HSL	87°, 32%, 39%
HSV	87°, 48%, 52%
XYZ	14.8871, 19.8034, 8.5106
YIQ	116.0330, 3.2600, -26.0520

Conversions

Conversions Part 2

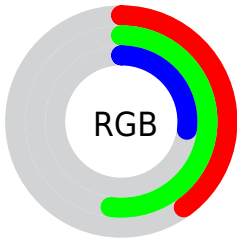
Format	Color
RYB	68, 132, 97
Decimal	6784068
CIELab	51.61, -21.92, 31.06
CIElCh	52, 38.018, 125.207
Yxy	19.8034, 0.3446, 0.4584
Android (android.graphics.Color)	4284974148 (0xFF678444)
YUV	116.0330, -23.6803, -11.4299
Hunter-Lab	44.5010, -18.1624, 19.8118

Details

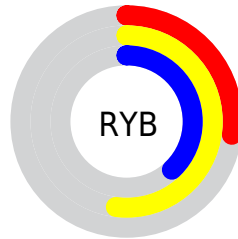
The Yxy color **19.8034, 0.3446, 0.4584** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8.3478, 0.2636, 0.1970**, and the grayscale version is **17.5489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9745, 0.3388, 0.4266**, and **6.8730, 0.3505, 0.5153** is the 20% darker color. If you saturate the color by 10%, you get **19.3193, 0.3486, 0.4857**, and if you desaturate by 10%, it is **20.3509, 0.3392, 0.4301**.

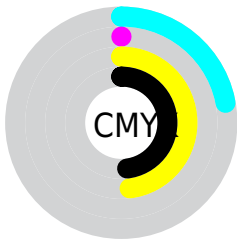
Distribution



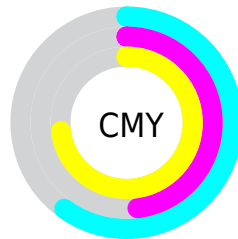
- Red (40%)
- Green (52%)
- Blue (27%)



- Red (27%)
- Yellow (52%)
- Blue (38%)



- Cyan (22%)
- Magenta (0%)
- Yellow (48%)
- Black (48%)





- Cyan (60%)
- Magenta (48%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8034, 0.3446, 0.4584 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 19.8034, 0.3446, 0.4584 by changing the saturation by 10% instead.


 19.8034, 0.3446,
0.4584


 19.8034, 0.3446,
0.4584


250.8488, 0.3290,
0.3820


 12.2522, 0.3474,
0.4822


 43.0873, 0.3395,
0.4273


 6.9157, 0.3493,
0.5158


 59.5889, 0.3373,
0.4167

 3.4094, 0.3529,
0.5741

 79.8426, 0.3355,
0.4081

 1.3490, 0.3374,
0.6626

 104.2330, 0.3338,
0.4010

 0.1787, 0.0000,
1.0000

 133.1444, 0.3324,
0.3951

 0.0000, 0.0000,
0.0000

166.9613, 0.3311,

0.3901

206.0679, 0.3300,
0.3857

■ 19.8034, 0.3446,
0.4584

■ 19.8034, 0.3446,
0.4584

■ 19.3193, 0.3486,
0.4857

■ 20.3509, 0.3392,
0.4301

■ 18.8930, 0.3509,
0.5108

■ 20.9620, 0.3329,
0.4020

■ 18.5220, 0.3511,
0.5323


■ 21.6401, 0.3260,
0.3749

■ 18.2027, 0.3491,
0.5494

■ 22.3875, 0.3188,
0.3493


■ 17.9265, 0.3455,
0.5623

■ 23.2066, 0.3116,
0.3255

 17.8865, 0.3449,
0.5643

 24.0994, 0.3046,
0.3037

 25.0681, 0.2979,
0.2840

 26.1146, 0.2915,
0.2662

 27.2407, 0.2855,
0.2502

Harmonies

Analogous

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



19.8034, 0.4072, 0.4440



19.8034, 0.3446, 0.4584



19.8034, 0.2769, 0.4252

Triad

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



19.8034, 0.3446, 0.4584



19.8034, 0.1924, 0.2396



19.8034, 0.4073, 0.2971

Complementary

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



19.8034, 0.3446, 0.4584



8.3478, 0.2636, 0.1970

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.



19.8034, 0.3384, 0.2545



19.8034, 0.3446, 0.4584



19.8034, 0.2180, 0.2214

Square

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



19.8034, 0.3446, 0.4584



19.8034, 0.1935, 0.2854



19.8034, 0.2689, 0.2276



19.8034, 0.4486, 0.3483

Rectangle

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



19.8034, 0.3446, 0.4584



19.8034, 0.2382, 0.3805



19.8034, 0.2689, 0.2276



19.8034, 0.3861, 0.2816

Sweetspot

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



19.8043, 0.3446, 0.4584



38.5142, 0.3237, 0.3667



13.8394, 0.4114, 0.3842



8.9130, 0.3250, 0.3714



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.



19.8043, 0.3446, 0.4584



33.9615, 0.3489, 0.4879



18.2700, 0.3090, 0.4739



5.3208, 0.3193, 0.3509



17.3201, 0.3450, 0.5642



0.0643, 0.3775, 0.5384

Inverse Universe

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



8.3478, 0.2636, 0.1970



11.2999, 0.2491, 0.1662



10.4556, 0.3129, 0.2144



4.6403, 0.3057, 0.3070



2.5428, 0.1965, 0.0856



0.0131, 0.2458, 0.1128

Previews

White Background



This preview shows how the Yxy color 19.8034, 0.3446, 0.4584 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 19.8034, 0.3446, 0.4584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

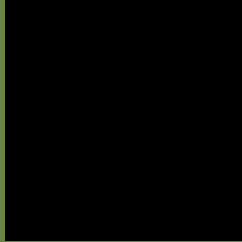
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8034, 0.3446, 0.4584

Background



This preview shows how black text looks on a background with the Yxy color 19.8034, 0.3446, 0.4584.



This preview shows how white text looks on a background with the Yxy color 19.8034, 0.3446, 0.4584.

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

19.8034, 0.3446, 0.4584

Protanopia

19.6985, 0.3955, 0.4322

Deuteranopia

19.5800, 0.4120, 0.4048



Tritanopia

19.8332, 0.2882, 0.3120

Trichromacy



Original Color

19.8034, 0.3446, 0.4584

Protanomaly

19.5260, 0.3760, 0.4419

Deuteranomaly

19.2795, 0.3858, 0.4224

Tritanomaly

19.8153, 0.3099, 0.3646

Monochromacy



Original Color

19.8034, 0.3446, 0.4584

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.1994, 0.3254, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8034, 0.3446, 0.4584 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(103, 132, 68)` looks like.

```
.text, #text, p{  
    color:rgb(103, 132, 68)  
}
```

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(103, 132, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 132, 68) }
```

Border

The CSS property to change the border of an element to Yxy 19.8034, 0.3446, 0.4584 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(103, 132, 68) }
```

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

```
.border{ border-color:rgb(103, 132, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 132, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 132, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 132, 68);  
box-shadow:4px 4px 4px 4px rgb(103, 132,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8034, 0.3446, 0.4584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 132, 68) }
```

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

```
.background{ background-color: rgb(103,  
132, 68) }
```

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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