

Converting Colors

$Y_{xy}(3.1717, 0.4719, 0.3566)$

Have a look what the booklet for
Yxy(3.1717, 0.4719, 0.3566)
contains.

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Color

Yxy(3.1804, 0.4715, 0.3551)

Conversions

Conversions Part 1

Format	Color
Hex	50261D
RGB	80, 38, 29
RGB Percent	31%, 15%, 11%
CMY	0.6863, 0.8510, 0.8863
CMYK	0.00, 0.52, 0.64, 0.69
HSL	11°, 47%, 21%
HSV	11°, 64%, 31%
XYZ	4.2229, 3.1804, 1.5530
YIQ	49.5320, 27.9210, 6.1050

Conversions

Conversions Part 2

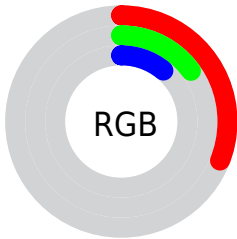
Format	Color
RYB	80, 40, 29
Decimal	5252637
CIELab	20.75, 18.67, 14.86
CIELCh	21, 23.868, 38.515
Yxy	3.1804, 0.4715, 0.3551
Android (android.graphics.Color)	4283442717 (0xFF50261D)
YUV	49.5320, -10.1223, 26.7204
Hunter-Lab	17.8337, 11.0589, 7.3204

Details

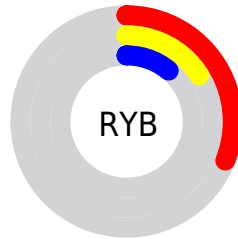
The Yxy color **3.1804, 0.4715, 0.3551** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **5.3446, 0.2343, 0.2977**, and the grayscale version is **3.1433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **11.7272, 0.4152, 0.3506**, and **0.3401, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **2.7615, 0.5096, 0.3568**, and if you desaturate by 10%, it is **3.6846, 0.4360, 0.3519**.

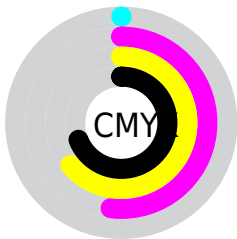
Distribution



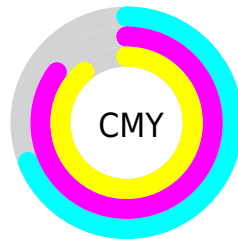
- Red (31%)
- Green (15%)
- Blue (11%)



- Red (31%)
- Yellow (16%)
- Blue (11%)



- Cyan (0%)
- Magenta (52%)
- Yellow (64%)
- Black (69%)





- Cyan (69%)
- Magenta (85%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 3.1804, 0.4715, 0.3551 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 3.1804, 0.4715, 0.3551 by changing the saturation by 10% instead.


 3.1804, 0.4715,
0.3551

 3.1804, 0.4715,
0.3551

130.4651, 0.3585,
0.3410

 1.2266, 0.5521,
0.3703


 11.7106, 0.4159,
0.3510


 0.0833, 0.8653,
0.1347

 19.0557, 0.4004,
0.3488

 0.0000, 0.0000,
0.0000


 28.9668, 0.3888,
0.3469


 41.8283, 0.3799,
0.3454


 58.0244, 0.3729,
0.3440


 77.9397, 0.3672,


0.3428


 101.9584, 0.3624,
0.3418


 3.1804, 0.4715,
0.3551


 3.1804, 0.4715,
0.3551


 2.7615, 0.5096,
0.3568


 3.6846, 0.4360,
0.3519


 2.4225, 0.5478,
0.3563


 4.2779, 0.4044,
0.3479

 2.1570, 0.5844,
0.3545

 4.9646, 0.3772,
0.3435

 2.0232, 0.6085,
0.3551

 5.7484, 0.3540,
0.3390

 6.6331, 0.3345,
0.3346

■ 7.6219, 0.3182,
0.3305

■ 8.7183, 0.3044,
0.3266

■ 9.9252, 0.2929,
0.3231

■ 11.2457, 0.2832,
0.3199

Harmonies

Analogous

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



3.1804, 0.4293, 0.2978



3.1804, 0.4715, 0.3551



3.1804, 0.4624, 0.4141

Triad

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



3.1804, 0.4715, 0.3551



3.1804, 0.2625, 0.4345



3.1804, 0.2102, 0.2070

Complementary

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



3.1804, 0.4715, 0.3551



5.3446, 0.2343, 0.2977

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.



3.1804, 0.1788, 0.2230



3.1804, 0.4715, 0.3551



3.1804, 0.2043, 0.3488

Square

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



3.1804, 0.4715, 0.3551



3.1804, 0.3385, 0.4786



3.1804, 0.1763, 0.2702



3.1804, 0.2700, 0.2171

Rectangle

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



3.1804, 0.4715, 0.3551



3.1804, 0.4325, 0.4497



3.1804, 0.1763, 0.2702



3.1804, 0.1965, 0.2092

Sweetspot

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



3.1806, 0.4715, 0.3551



10.6387, 0.3456, 0.3372



3.0450, 0.3422, 0.2126



2.6913, 0.3491, 0.3379



46.2361, 0.3127, 0.3290



3.6306, 0.3127, 0.3290

Same Dimension

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



3.1806, 0.4715, 0.3551



4.4460, 0.5329, 0.3568



5.3485, 0.4222, 0.4255



1.9499, 0.3259, 0.3325



3.4243, 0.6141, 0.3506



18.7508, 0.6236, 0.3430

Inverse Universe

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



5.3446, 0.2343, 0.2977



8.5723, 0.2217, 0.2885



2.7936, 0.2140, 0.2039



2.0698, 0.3005, 0.3255



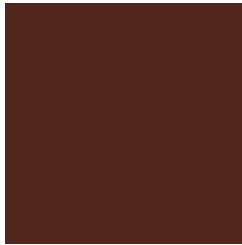
7.6779, 0.2096, 0.2747



43.1079, 0.2085, 0.2707

Previews

White Background



This preview shows how the Yxy color 3.1804, 0.4715, 0.3551 looks on a white background.

Color Contrast Check

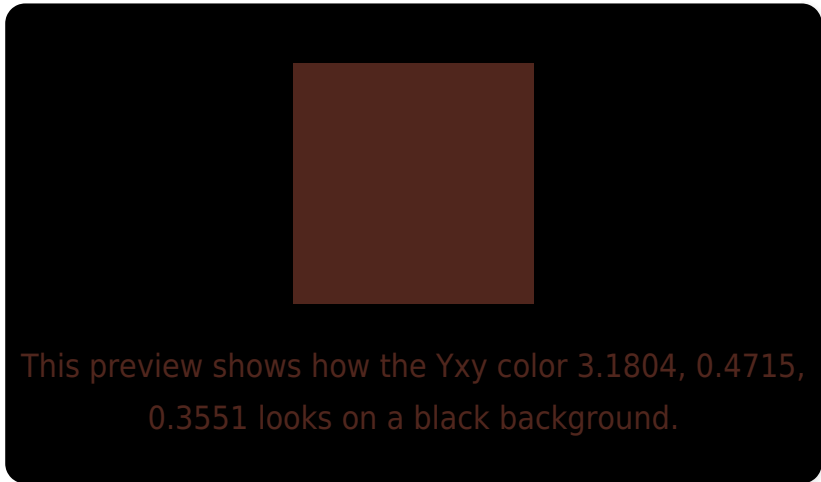
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

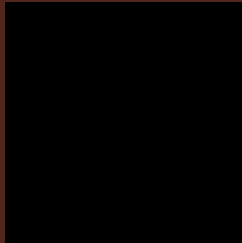
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 3.1804, 0.4715, 0.3551

Background



This preview shows how black text looks on a background with the Yxy color 3.1804, 0.4715, 0.3551.

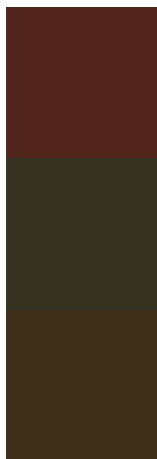


This preview shows how white text looks on a background with the Yxy color 3.1804, 0.4715, 0.3551.

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

3.1804, 0.4715, 0.3551

Protanopia

3.2954, 0.3658, 0.3955

Deuteranopia

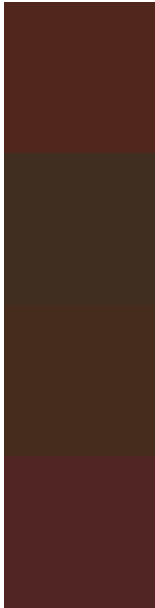
3.2172, 0.4079, 0.4049



Tritanopia

3.2189, 0.4444, 0.3236

Trichromacy



Original Color

3.1804, 0.4715, 0.3551

Protanomaly

3.1483, 0.4040, 0.3794

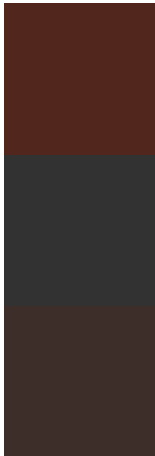
Deuteranomaly

3.1504, 0.4329, 0.3826

Tritanomaly

3.1938, 0.4574, 0.3352

Monochromacy



Original Color

3.1804, 0.4715, 0.3551

Achromatopsia

3.1896, 0.3127, 0.3290

Achromatomaly

3.1133, 0.3668, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 3.1804, 0.4715, 0.3551 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(80, 38, 29) looks like.

```
.text, #text, p{  
    color:rgb(80, 38, 29)  
}
```

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(80, 38, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 38, 29) }
```

Border

The CSS property to change the border of an element to Yxy 3.1804, 0.4715, 0.3551 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(80, 38, 29) }
```

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

```
.border{ border-color:rgb(80, 38, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 38, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 38, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 38, 29);  
box-shadow:4px 4px 4px 4px rgb(80, 38, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 3.1804, 0.4715, 0.3551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 38, 29) }
```

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

```
.background{ background-color: rgb(80, 38,  
29) }
```

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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