

Converting Colors

$Y_{xy}(20.4863, 0.3889, 0.4510)$

Have a look what the booklet for
Yxy(20.4863, 0.3889, 0.4510)
contains.

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Color

Yxy(20.4317, 0.3882, 0.4509)

Conversions

Conversions Part 1

Format	Color
Hex	81803C
RGB	129, 128, 60
RGB Percent	51%, 50%, 24%
CMY	0.4940, 0.4981, 0.7647
CMYK	0.00, 0.01, 0.53, 0.49
HSL	59°, 37%, 37%
HSV	59°, 53%, 51%
XYZ	17.5906, 20.4317, 7.2909
YIQ	120.5470, 22.4240, -20.9360

Conversions

Conversions Part 2

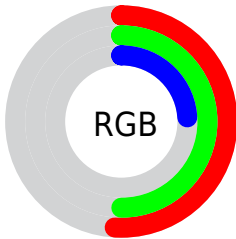
Format	Color
RYB	61, 129, 60
Decimal	8486972
CIELab	52.32, -9.55, 36.58
CIELCh	52, 37.808, 104.635
Yxy	20.4317, 0.3882, 0.4509
Android (android.graphics.Color)	4286677052 (0xFF81803C)
YUV	120.5470, -29.8497, 7.4133
Hunter-Lab	45.2014, -9.6376, 22.0777

Details

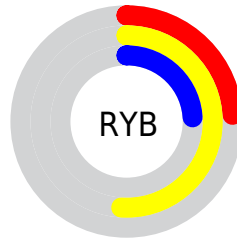
The Yxy color **20.4317, 0.3882, 0.4509** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.8862, 0.2148, 0.1687**, and the grayscale version is **19.0606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2408, 0.3725, 0.4240**, and **7.2358, 0.4100, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **20.2624, 0.3994, 0.4687**, and if you desaturate by 10%, it is **20.6362, 0.3753, 0.4303**.

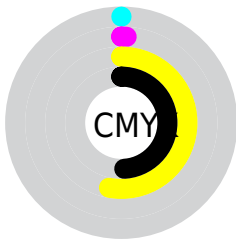
Distribution



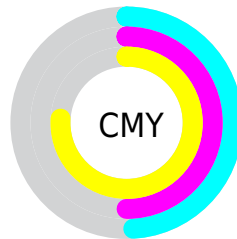
- Red (51%)
- Green (50%)
- Blue (24%)



- Red (24%)
- Yellow (51%)
- Blue (24%)



- Cyan (0%)
- Magenta (1%)
- Yellow (53%)
- Black (49%)




- Cyan (49%)
- Magenta (50%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4317, 0.3882, 0.4509 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 20.4317, 0.3882, 0.4509 by changing the saturation by 10% instead.


 20.4317, 0.3882,
0.4509


 20.4317, 0.3882,
0.4509


 254.2427, 0.3480,
0.3819


 12.7092, 0.3979,
0.4702


 44.1398, 0.3735,
0.4240


 7.2286, 0.4092,
0.4956


 60.8942, 0.3679,
0.4145


 3.6055, 0.4339,
0.5459

 81.4280, 0.3632,
0.4066

 1.4554, 0.4267,
0.5733

 106.1257, 0.3592,
0.4000

 0.2570, 0.0414,
0.9586

 135.3716, 0.3558,
0.3944

 0.0000, 0.0000,
0.0000

 169.5502, 0.3529,

0.3897

209.0457, 0.3503,
0.3855

■ 20.4317, 0.3882,
0.4509

■ 20.4317, 0.3882,
0.4509

■ 20.2624, 0.3994,
0.4687

■ 20.6362, 0.3753,
0.4303

■ 20.1231, 0.4085,
0.4831

■ 20.8754, 0.3614,
0.4078

■ 20.0119, 0.4153,
0.4935

■ 21.1522, 0.3468,
0.3842

■ 19.9254, 0.4196,
0.5000

■ 21.4685, 0.3321,
0.3604

■ 19.8747, 0.4218,
0.5033

■ 21.8260, 0.3176,
0.3370

■ 22.2264, 0.3038,
0.3145

■ 22.6712, 0.2907,
0.2932

■ 23.1619, 0.2786,
0.2733

■ 23.7000, 0.2674,
0.2550

Harmonies

Analogous

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



20.4317, 0.4361, 0.4151



20.4317, 0.3882, 0.4509



20.4317, 0.3230, 0.4513

Triad

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



20.4317, 0.3882, 0.4509



20.4317, 0.1918, 0.2690



20.4317, 0.3607, 0.2674

Complementary

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



20.4317, 0.3882, 0.4509



5.8862, 0.2148, 0.1687

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.



20.4317, 0.2898, 0.2353



20.4317, 0.3882, 0.4509



20.4317, 0.1992, 0.2325

Square

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



20.4317, 0.3882, 0.4509



20.4317, 0.2118, 0.3318



20.4317, 0.2326, 0.2224



20.4317, 0.4226, 0.3130

Rectangle

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



20.4317, 0.3882, 0.4509



20.4317, 0.2788, 0.4246



20.4317, 0.2326, 0.2224



20.4317, 0.3367, 0.2549

Sweetspot

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



20.4326, 0.3882, 0.4509



38.2602, 0.3363, 0.3673



8.2389, 0.4575, 0.3272



8.6381, 0.3388, 0.3713



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.



20.4326, 0.3882, 0.4509



36.2173, 0.4014, 0.4719



18.5012, 0.3442, 0.4732



5.0088, 0.3256, 0.3500



19.3712, 0.4218, 0.5033



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.8862, 0.2148, 0.1687



7.2833, 0.1914, 0.1300



7.1630, 0.2603, 0.1840



4.2212, 0.2993, 0.3071



1.5865, 0.1504, 0.0614



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.4317, 0.3882, 0.4509 looks on a white background.

Color Contrast Check

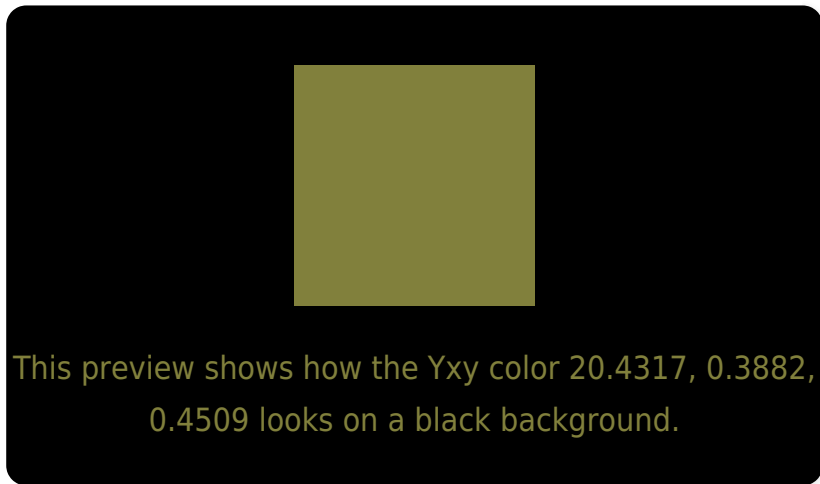
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

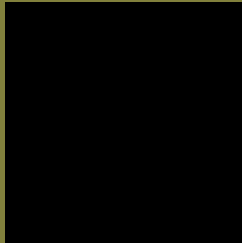
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4317, 0.3882, 0.4509

Background



This preview shows how black text looks on a background with the Yxy color 20.4317, 0.3882, 0.4509.



This preview shows how white text looks on a background with the Yxy color 20.4317, 0.3882, 0.4509.

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

20.4317, 0.3882, 0.4509

Protanopia

20.3863, 0.4037, 0.4424

Deuteranopia

20.4115, 0.4278, 0.4199



Tritanopia

20.2789, 0.3210, 0.3115

Trichromacy



Original Color

20.4317, 0.3882, 0.4509

Protanomaly

20.3884, 0.3988, 0.4457

Deuteranomaly

20.2757, 0.4139, 0.4309

Tritanomaly

20.1724, 0.3465, 0.3620

Monochromacy



Original Color

20.4317, 0.3882, 0.4509

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.6012, 0.3416, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4317, 0.3882, 0.4509 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, 128, 60)` looks like.

```
.text, #text, p{  
    color:rgb(129, 128, 60)  
}
```

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, 128, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 128, 60) }
```

Border

The CSS property to change the border of an element to Yxy 20.4317, 0.3882, 0.4509 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, 128, 60) }
```

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

```
.border{ border-color:rgb(129, 128, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 128, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 128, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 128, 60);  
box-shadow:4px 4px 4px 4px rgb(129, 128,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4317, 0.3882, 0.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 128, 60) }
```

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

```
.background{ background-color: rgb(129,  
128, 60) }
```

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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