

Converting Colors

$Y_{xy}(20.1480, 0.4150, 0.4600)$

Have a look what the booklet for
Yxy(20.1480, 0.4150, 0.4600)
contains.

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Color

Yxy(20.1829, 0.4138, 0.4603)

Conversions

Conversions Part 1

Format	Color
Hex	897D2E
RGB	137, 125, 46
RGB Percent	54%, 49%, 18%
CMY	0.4627, 0.5098, 0.8197
CMYK	0.00, 0.09, 0.66, 0.46
HSL	52°, 50%, 36%
HSV	52°, 66%, 54%
XYZ	18.1440, 20.1829, 5.5204
YIQ	119.5820, 32.5110, -22.0250

Conversions

Conversions Part 2

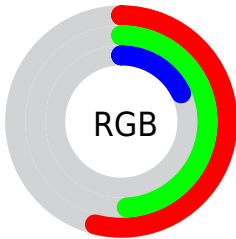
Format	Color
R _Y B	60, 137, 46
Decimal	9010478
CIE Lab	52.04, -5.39, 43.29
CIE LCh	52, 43.628, 97.103
Yxy	20.1829, 0.4138, 0.4603
Android (android.graphics.Color)	4287200558 (0xFF897D2E)
YUV	119.5820, -36.2759, 15.2756
Hunter-Lab	44.9254, -6.5287, 24.1623

Details

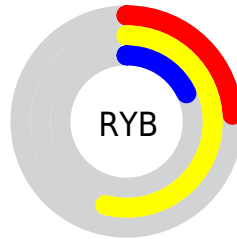
The Yxy color **20.1829, 0.4138, 0.4603** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.4100, 0.1938, 0.1466**, and the grayscale version is **18.7519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6263, 0.3949, 0.4326**, and **7.0537, 0.4356, 0.4923** is the 20% darker color. If you saturate the color by 10%, you get **19.6392, 0.4255, 0.4724**, and if you desaturate by 10%, it is **20.7713, 0.4001, 0.4446**.

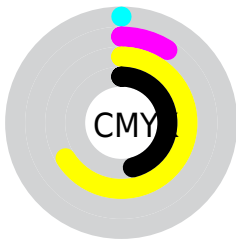
Distribution



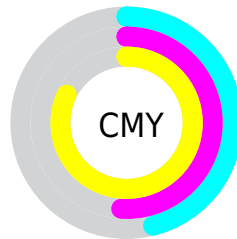
- Red (54%)
- Green (49%)
- Blue (18%)



- Red (24%)
- Yellow (54%)
- Blue (18%)



- Cyan (0%)
- Magenta (9%)
- Yellow (66%)
- Black (46%)





- Cyan (46%)
- Magenta (51%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1829, 0.4138, 0.4603 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 20.1829, 0.4138, 0.4603 by changing the saturation by 10% instead.


 20.1829, 0.4138,
0.4603


 20.1829, 0.4138,
0.4603


 252.9035, 0.3603,
0.3882


 12.5281, 0.4261,
0.4787


 43.7236, 0.3945,
0.4332

 7.1044, 0.4400,
0.5011


 60.3783, 0.3871,
0.4232

 3.5275, 0.4623,
0.5377

 80.8017, 0.3808,
0.4149

 1.4129, 0.4532,
0.5468

 105.3782, 0.3755,
0.4079

 0.2262, 0.2692,
0.7308

 134.4923, 0.3708,
0.4018

 0.0000, 0.0000,
0.0000

 168.5283, 0.3669,

0.3967

207.8705, 0.3634,
0.3922

■ 20.1829, 0.4138,
0.4603

■ 20.1829, 0.4138,
0.4603

■ 19.6392, 0.4255,
0.4724

■ 20.7713, 0.4001,
0.4446

■ 19.1339, 0.4348,
0.4804

■ 21.4047, 0.3850,
0.4262

■ 18.6621, 0.4416,
0.4845

■ 22.0865, 0.3691,
0.4060

■ 18.4983, 0.4439,
0.4857

■ 22.8193, 0.3530,
0.3847

■ 23.6054, 0.3372,
0.3633

■ 24.4468, 0.3221,
0.3422

■ 25.3455, 0.3078,
0.3219

■ 26.3034, 0.2945,
0.3028

■ 27.3223, 0.2822,
0.2849

Harmonies

Analogous

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



20.1829, 0.4622, 0.4107



20.1829, 0.4138, 0.4603



20.1829, 0.3420, 0.4771

Triad

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



20.1829, 0.4138, 0.4603



20.1829, 0.1783, 0.2740



20.1829, 0.3467, 0.2481

Complementary

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



20.1829, 0.4138, 0.4603



5.4100, 0.1938, 0.1466

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.



20.1829, 0.2672, 0.2172



20.1829, 0.4138, 0.4603



20.1829, 0.1794, 0.2257

Square

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



20.1829, 0.4138, 0.4603



20.1829, 0.2077, 0.3528



20.1829, 0.2092, 0.2084



20.1829, 0.4248, 0.2957

Rectangle

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



20.1829, 0.4138, 0.4603



20.1829, 0.2908, 0.4566



20.1829, 0.2092, 0.2084



20.1829, 0.3188, 0.2356

Sweetspot

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



20.1839, 0.4138, 0.4603



41.6929, 0.3435, 0.3718



7.5771, 0.4926, 0.3095



9.2751, 0.3473, 0.3770



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.1839, 0.4138, 0.4603



34.6755, 0.4308, 0.4772



21.0120, 0.3600, 0.5008



5.7344, 0.3261, 0.3478



17.2407, 0.4439, 0.4858



0.1290, 0.4305, 0.4964

Inverse Universe

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



5.4100, 0.1938, 0.1466



6.2926, 0.1705, 0.1058



5.4350, 0.2275, 0.1414



4.9918, 0.2991, 0.3094



2.0987, 0.1536, 0.0730



0.0258, 0.1673, 0.1224

Previews

White Background



This preview shows how the Yxy color 20.1829, 0.4138, 0.4603 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 20.1829, 0.4138, 0.4603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

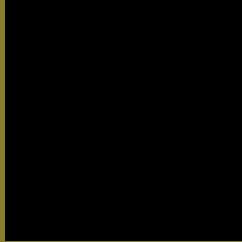
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1829, 0.4138, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 20.1829, 0.4138, 0.4603.



This preview shows how white text looks on a background with the Yxy color 20.1829, 0.4138, 0.4603.

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

20.1829, 0.4138, 0.4603

Protanopia

20.1015, 0.4175, 0.4574

Deuteranopia

20.1388, 0.4437, 0.4352



Tritanopia

20.1582, 0.3365, 0.3136

Trichromacy



Original Color

20.1829, 0.4138, 0.4603

Protanomaly

20.0158, 0.4162, 0.4582

Deuteranomaly

20.1759, 0.4319, 0.4455

Tritanomaly

19.9587, 0.3682, 0.3701

Monochromacy



Original Color

20.1829, 0.4138, 0.4603

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.1450, 0.3521, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1829, 0.4138, 0.4603 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(137, 125, 46)` looks like.

```
.text, #text, p{  
    color:rgb(137, 125, 46)  
}
```

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(137, 125, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 125, 46) }
```

Border

The CSS property to change the border of an element to Yxy 20.1829, 0.4138, 0.4603 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(137, 125, 46) }
```

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

```
.border{ border-color:rgb(137, 125, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 125, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 125, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 125, 46);  
box-shadow:4px 4px 4px 4px rgb(137, 125,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1829, 0.4138, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 125, 46) }
```

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

```
.background{ background-color: rgb(137,  
125, 46) }
```

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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