

Converting Colors

$Y_{xy}(20.1968, 0.4085, 0.4355)$

Have a look what the booklet for
Yxy(20.1968, 0.4085, 0.4355)
contains.

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Color

$\text{Yxy}(20.1549, 0.4087, 0.4362)$

Conversions

Conversions Part 1

Format	Color
Hex	8D7B3C
RGB	141, 123, 60
RGB Percent	55%, 48%, 24%
CMY	0.4470, 0.5176, 0.7648
CMYK	0.00, 0.13, 0.57, 0.45
HSL	47°, 40%, 39%
HSV	47°, 57%, 55%
XYZ	18.8842, 20.1549, 7.1665
YIQ	121.2000, 30.9510, -15.7770

Conversions

Conversions Part 2

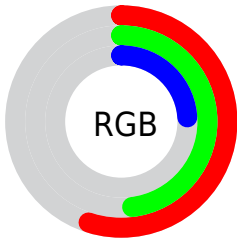
Format	Color
R_{YB}	83, 141, 60
Decimal	9272124
CIE _{Lab}	52.01, -1.40, 36.51
CIE _{LCh}	52, 36.538, 92.190
Yxy	20.1549, 0.4087, 0.4362
Android (android.graphics.Color)	4287462204 (0xFF8D7B3C)
YUV	121.2000, -30.1716, 17.3646
Hunter-Lab	44.8942, -3.4808, 21.9614

Details

The Yxy color **20.1549, 0.4087, 0.4362** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.3307, 0.2133, 0.1892**, and the grayscale version is **19.2808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4998, 0.3889, 0.4140**, and **7.1310, 0.4378, 0.4730** is the 20% darker color. If you saturate the color by 10%, you get **19.2608, 0.4250, 0.4503**, and if you desaturate by 10%, it is **21.1155, 0.3913, 0.4194**.

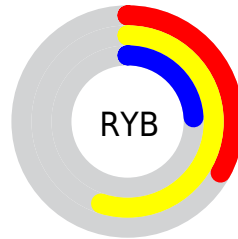
Distribution



Red (55%)

Green (48%)

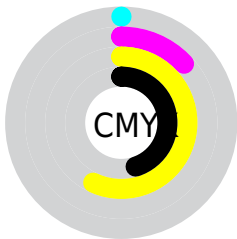
Blue (24%)



Red (33%)

Yellow (55%)

Blue (24%)

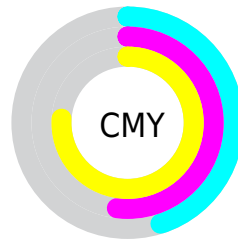


Cyan (0%)

Magenta (13%)

Yellow (57%)

Black (45%)



Cyan (45%)


Magenta (52%)


Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1549, 0.4087, 0.4362 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 20.1549, 0.4087, 0.4362 by changing the saturation by 10% instead.


 20.1549, 0.4087,
0.4362


 20.1549, 0.4087,
0.4362

 252.7524, 0.3562,
0.3771


 12.5077, 0.4223,
0.4518


 43.6767, 0.3889,
0.4138


 7.0904, 0.4390,
0.4714


 60.3201, 0.3817,
0.4056


 3.5187, 0.4739,
0.5115

 80.7311, 0.3756,
0.3988

 1.4082, 0.4786,
0.5214

 105.2939, 0.3705,
0.3930

 0.2227, 0.4437,
0.5563

 134.3931, 0.3661,
0.3882

 0.0000, 0.0000,
0.0000

 168.4130, 0.3624,

0.3840

207.7380, 0.3591,
0.3803

■ 20.1549, 0.4087,
0.4362

■ 20.1549, 0.4087,
0.4362

■ 19.2608, 0.4250,
0.4503

■ 21.1155, 0.3913,
0.4194

■ 18.4270, 0.4396,
0.4609

■ 22.1430, 0.3737,
0.4008

■ 17.6504, 0.4517,
0.4672

■ 23.2410, 0.3562,
0.3814

■ 16.9236, 0.4614,
0.4695

■ 24.4122, 0.3395,
0.3619

■ 16.7443, 0.4638,
0.4699

■ 25.6591, 0.3237,
0.3428

■ 26.9840, 0.3091,
0.3245

■ 28.3891, 0.2958,
0.3072

■ 29.8764, 0.2836,
0.2911

■ 31.4480, 0.2726,
0.2762

Harmonies

Analogous

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



20.1549, 0.4433, 0.3937



20.1549, 0.4087, 0.4362



20.1549, 0.3503, 0.4529

Triad

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



20.1549, 0.4087, 0.4362



20.1549, 0.1997, 0.2936



20.1549, 0.3304, 0.2540

Complementary

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



20.1549, 0.4087, 0.4362



8.3307, 0.2133, 0.1892

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.



20.1549, 0.2650, 0.2299



20.1549, 0.4087, 0.4362



20.1549, 0.1959, 0.2467

Square

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



20.1549, 0.4087, 0.4362



20.1549, 0.2306, 0.3615



20.1549, 0.2181, 0.2263



20.1549, 0.3973, 0.2939

Rectangle

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



20.1549, 0.4087, 0.4362



20.1549, 0.3064, 0.4400



20.1549, 0.2181, 0.2263



20.1549, 0.3073, 0.2439

Sweetspot

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



20.1559, 0.4087, 0.4362



43.7317, 0.3393, 0.3617



9.4560, 0.4388, 0.2962



9.6853, 0.3421, 0.3650



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.1559, 0.4087, 0.4362



34.0252, 0.4296, 0.4539



23.3302, 0.3662, 0.4746



6.0848, 0.3264, 0.3460



15.2887, 0.4636, 0.4701



0.1785, 0.4394, 0.4893

Inverse Universe

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



8.3307, 0.2133, 0.1892



10.8202, 0.1912, 0.1527



6.9281, 0.2305, 0.1618



5.4374, 0.2990, 0.3114



2.6841, 0.1576, 0.0872



0.0537, 0.1771, 0.1575

Previews

White Background



This preview shows how the Yxy color 20.1549, 0.4087, 0.4362 looks on a white background.

Color Contrast Check

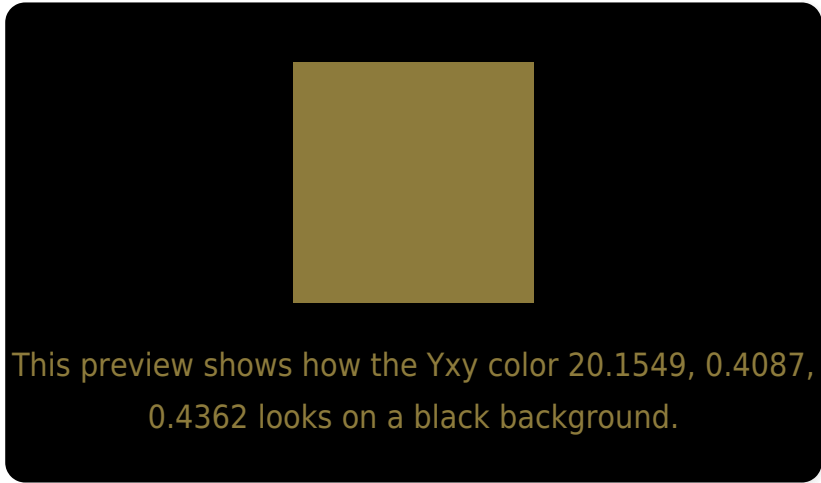
Large Text (above 18pt) WCAG AA ✓ Pass

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

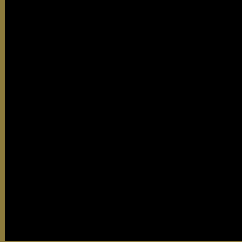
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1549, 0.4087, 0.4362

Background



This preview shows how black text looks on a background with the Yxy color 20.1549, 0.4087, 0.4362.



This preview shows how white text looks on a background with the Yxy color 20.1549, 0.4087, 0.4362.

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

20.1549, 0.4087, 0.4362

Protanopia

20.0599, 0.4024, 0.4401

Deuteranopia

20.0661, 0.4286, 0.4204



Tritanopia

20.1745, 0.3419, 0.3138

Trichromacy



Original Color

20.1549, 0.4087, 0.4362

Protanomaly

20.1448, 0.4037, 0.4395

Deuteranomaly

20.1594, 0.4212, 0.4256

Tritanomaly

20.1530, 0.3690, 0.3606

Monochromacy



Original Color

20.1549, 0.4087, 0.4362

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.4091, 0.3475, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1549, 0.4087, 0.4362 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(141, 123, 60)` looks like.

```
.text, #text, p{  
    color:rgb(141, 123, 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(141, 123, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 123, 60) }
```

Border

The CSS property to change the border of an element to Yxy 20.1549, 0.4087, 0.4362 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(141, 123, 60) }
```

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

```
.border{ border-color:rgb(141, 123, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 123, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 123, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 123, 60);  
box-shadow:4px 4px 4px 4px rgb(141, 123,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1549, 0.4087, 0.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 123, 60) }
```

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

```
.background{ background-color: rgb(141,  
123, 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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