

Converting Colors

$Y_{xy}(20.0138, 0.4030, 0.4330)$

Have a look what the booklet for
Yxy(20.0138, 0.4030, 0.4330)
contains.

Yxy(20.0138, 0.4030, 0.4330)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0138, 0.4030, 0.4330)

Conversions

Conversions Part 1

Format	Color
Hex	8B7B3F
RGB	139, 123, 63
RGB Percent	55%, 48%, 25%
CMY	0.4549, 0.5176, 0.7530
CMYK	0.00, 0.12, 0.55, 0.45
HSL	47°, 38%, 40%
HSV	47°, 55%, 55%
XYZ	18.6272, 20.0138, 7.5803
YIQ	120.9440, 28.7960, -15.2680

Conversions

Conversions Part 2

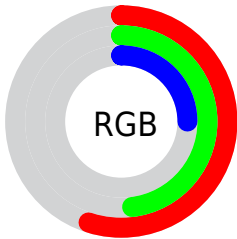
Format	Color
R_{YB}	83, 139, 63
Decimal	9141055
CIE Lab	51.85, -2.04, 34.71
CIE LCh	52, 34.772, 93.364
Yxy	20.0138, 0.4030, 0.4330
Android (android.graphics.Color)	4287331135 (0xFF8B7B3F)
YUV	120.9440, -28.5664, 15.8351
Hunter-Lab	44.7368, -3.9669, 21.2695

Details

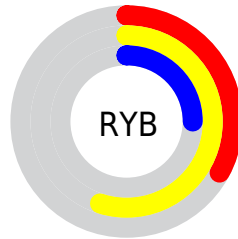
The Yxy color **20.0138, 0.4030, 0.4330** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.5081, 0.2181, 0.1952**, and the grayscale version is **19.1884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2991, 0.3844, 0.4110**, and **7.0958, 0.4317, 0.4683** is the 20% darker color. If you saturate the color by 10%, you get **19.1637, 0.4193, 0.4482**, and if you desaturate by 10%, it is **20.9268, 0.3858, 0.4154**.

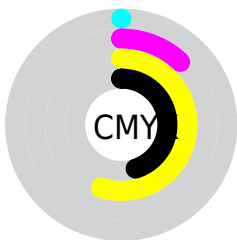
Distribution



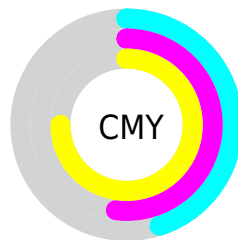
- Red (55%)
- Green (48%)
- Blue (25%)



- Red (33%)
- Yellow (55%)
- Blue (25%)



- Cyan (0%)
- Magenta (12%)
- Yellow (55%)
- Black (45%)





- Cyan (45%)
- Magenta (52%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0138, 0.4030, 0.4330 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 20.0138, 0.4030, 0.4330 by changing the saturation by 10% instead.


 20.0138, 0.4030,
0.4330


 20.0138, 0.4030,
0.4330


 251.9898, 0.3534,
0.3752


 12.4051, 0.4160,
0.4486


 43.4403, 0.3842,
0.4109


 7.0202, 0.4323,
0.4686


 60.0269, 0.3774,
0.4029

 3.4747, 0.4634,
0.5063

 80.3749, 0.3717,
0.3962


 1.3843, 0.4745,
0.5255

 104.8687, 0.3669,
0.3907

 0.2051, 0.4144,
0.5856

 133.8927, 0.3628,
0.3859

 0.0000, 0.0000,
0.0000

 167.8313, 0.3592,

0.3819

207.0689, 0.3561,
0.3783

■ 20.0138, 0.4030,
0.4330

■ 20.0138, 0.4030,
0.4330

■ 19.1637, 0.4193,
0.4482

■ 20.9268, 0.3858,
0.4154

■ 18.3703, 0.4340,
0.4600

■ 21.9026, 0.3684,
0.3963

■ 17.6310, 0.4464,
0.4677

■ 22.9448, 0.3513,
0.3766

■ 16.9410, 0.4562,
0.4711

■ 24.0560, 0.3349,
0.3569

■ 16.5879, 0.4610,
0.4721

■ 25.2384, 0.3195,
0.3377

■ 26.4941, 0.3053,
0.3194

■ 27.8252, 0.2923,
0.3022

■ 29.2337, 0.2804,
0.2862

■ 30.7215, 0.2697,
0.2714

Harmonies

Analogous

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



20.0138, 0.4370, 0.3934



20.0138, 0.4030, 0.4330



20.0138, 0.3466, 0.4467

Triad

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



20.0138, 0.4030, 0.4330



20.0138, 0.2037, 0.2933



20.0138, 0.3324, 0.2583

Complementary

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



20.0138, 0.4030, 0.4330



8.5081, 0.2181, 0.1952

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.



20.0138, 0.2694, 0.2344



20.0138, 0.4030, 0.4330



20.0138, 0.2009, 0.2491

Square

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



20.0138, 0.4030, 0.4330



20.0138, 0.2326, 0.3575



20.0138, 0.2234, 0.2302



20.0138, 0.3956, 0.2973

Rectangle

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



20.0138, 0.4030, 0.4330



20.0138, 0.3046, 0.4330



20.0138, 0.2234, 0.2302



20.0138, 0.3103, 0.2484

Sweetspot

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



20.0147, 0.4030, 0.4330



42.7419, 0.3376, 0.3601



9.6125, 0.4319, 0.2997



9.7651, 0.3405, 0.3637



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.



20.0147, 0.4030, 0.4330



33.9189, 0.4235, 0.4518



22.6379, 0.3628, 0.4686



5.6693, 0.3263, 0.3462



14.9963, 0.4608, 0.4723



0.1203, 0.4382, 0.4903

Inverse Universe

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



8.5081, 0.2181, 0.1952



11.1158, 0.1956, 0.1589



7.3253, 0.2371, 0.1713



5.0518, 0.2991, 0.3112



2.5082, 0.1570, 0.0853



0.0345, 0.1759, 0.1531

Previews

White Background



This preview shows how the Yxy color 20.0138, 0.4030, 0.4330 looks on a white background.

Color Contrast Check

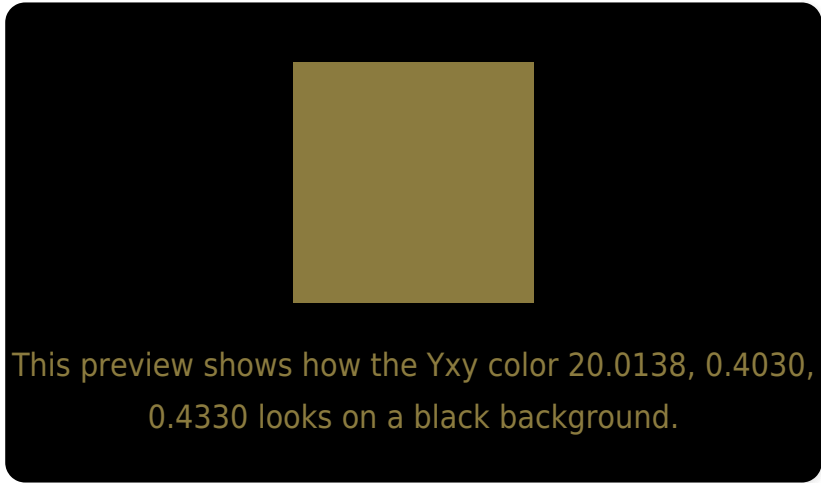
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0138, 0.4030, 0.4330

Background



This preview shows how black text looks on a background with the Yxy color 20.0138, 0.4030, 0.4330.



This preview shows how white text looks on a background with the Yxy color 20.0138, 0.4030, 0.4330.

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

20.0138, 0.4030, 0.4330

Protanopia

20.0925, 0.3994, 0.4356

Deuteranopia

20.0024, 0.4241, 0.4168



Tritanopia

19.9912, 0.3393, 0.3137

Trichromacy



Original Color

20.0138, 0.4030, 0.4330

Protanomaly

20.1775, 0.4007, 0.4350

Deuteranomaly

20.0062, 0.4155, 0.4225

Tritanomaly

19.9926, 0.3650, 0.3591

Monochromacy



Original Color

20.0138, 0.4030, 0.4330

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.4284, 0.3463, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0138, 0.4030, 0.4330 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(139, 123, 63)` looks like.

```
.text, #text, p{  
    color:rgb(139, 123, 63)  
}
```

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(139, 123, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 123, 63) }
```

Border

The CSS property to change the border of an element to Yxy 20.0138, 0.4030, 0.4330 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(139, 123, 63) }
```

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

```
.border{ border-color:rgb(139, 123, 63) }
```

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

Here you see how a box with a 4 pixel rgb(139, 123, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 123, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 123, 63);  
box-shadow:4px 4px 4px 4px rgb(139, 123,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0138, 0.4030, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 123, 63) }
```

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

```
.background{ background-color: rgb(139,  
123, 63) }
```

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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