

Converting Colors

$Y_{xy}(20.0962, 0.3654, 0.4336)$

Have a look what the booklet for
Yxy(20.0962, 0.3654, 0.4336)
contains.

Yxy(20.0570, 0.3662, 0.4333)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0570, 0.3662, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	7A8049
RGB	122, 128, 73
RGB Percent	48%, 50%, 29%
CMY	0.5214, 0.4981, 0.7137
CMYK	0.05, 0.00, 0.43, 0.50
HSL	67°, 27%, 39%
HSV	67°, 43%, 50%
XYZ	16.9510, 20.0570, 9.2809
YIQ	119.9360, 14.0790, -18.3770

Conversions

Conversions Part 2

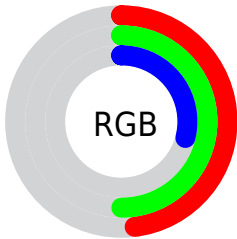
Format	Color
RYB	73, 128, 79
Decimal	8028233
CIELab	51.90, -11.24, 29.05
CIELCh	52, 31.151, 111.145
Yxy	20.0570, 0.3662, 0.4333
Android (android.graphics.Color)	4286218313 (0xFF7A8049)
YUV	119.9360, -23.1394, 1.8101
Hunter-Lab	44.7850, -10.8121, 19.0627

Details

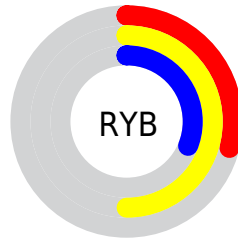
The Yxy color **20.0570, 0.3662, 0.4333** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.9841, 0.2439, 0.2050**, and the grayscale version is **18.8347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5918, 0.3546, 0.4092**, and **7.0488, 0.3825, 0.4758** is the 20% darker color. If you saturate the color by 10%, you get **19.8046, 0.3769, 0.4559**, and if you desaturate by 10%, it is **20.3476, 0.3543, 0.4092**.

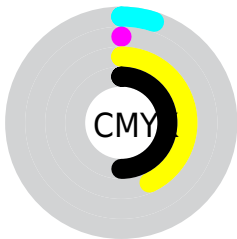
Distribution



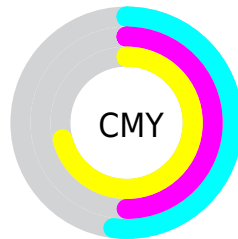
- Red (48%)
- Green (50%)
- Blue (29%)



- Red (29%)
- Yellow (50%)
- Blue (31%)



- Cyan (5%)
- Magenta (0%)
- Yellow (43%)
- Black (50%)




- Cyan (52%)
- Magenta (50%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0570, 0.3662, 0.4333 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 20.0570, 0.3662, 0.4333 by changing the saturation by 10% instead.


 20.0570, 0.3662,
0.4333


 20.0570, 0.3662,
0.4333


252.2235, 0.3373,
0.3731


 12.4365, 0.3736,
0.4513


 43.5127, 0.3554,
0.4093


 7.0417, 0.3826,
0.4762


 60.1167, 0.3514,
0.4009


 3.4882, 0.3952,
0.5149

 80.4840, 0.3481,
0.3941

 1.3916, 0.4146,
0.5854

 104.9990, 0.3453,
0.3885

 0.2105, 0.0000,
1.0000

 134.0460, 0.3428,
0.3837

 0.0000, 0.0000,
0.0000

168.0095, 0.3408,

0.3796

207.2739, 0.3389,
0.3761

■ 20.0570, 0.3662,
0.4333

■ 20.0570, 0.3662,
0.4333

■ 19.8046, 0.3769,
0.4559

■ 20.3476, 0.3543,
0.4092

■ 19.5855, 0.3860,
0.4760

■ 20.6757, 0.3418,
0.3844

■ 19.3983, 0.3931,
0.4929

■ 21.0440, 0.3290,
0.3598

■ 19.2401, 0.3977,
0.5059

■ 21.4542, 0.3164,
0.3359

■ 19.1077, 0.4000,
0.5147

■ 21.9080, 0.3042,
0.3131

■ 19.0221, 0.4010,
0.5198

■ 22.4068, 0.2926,
0.2918

■ 22.9521, 0.2818,
0.2721

■ 23.5454, 0.2717,
0.2540

■ 24.1878, 0.2624,
0.2374

Harmonies

Analogous

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



20.0570, 0.4100, 0.4108



20.0570, 0.3662, 0.4333



20.0570, 0.3103, 0.4232

Triad

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



20.0570, 0.3662, 0.4333



20.0570, 0.2095, 0.2711



20.0570, 0.3654, 0.2848

Complementary

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



20.0570, 0.3662, 0.4333



7.9841, 0.2439, 0.2050

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.



20.0570, 0.3066, 0.2540



20.0570, 0.3662, 0.4333



20.0570, 0.2207, 0.2440

Square

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



20.0570, 0.3662, 0.4333



20.0570, 0.2221, 0.3197



20.0570, 0.2545, 0.2391



20.0570, 0.4117, 0.3261

Rectangle

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



20.0570, 0.3662, 0.4333



20.0570, 0.2740, 0.3964



20.0570, 0.2545, 0.2391



20.0570, 0.3461, 0.2731

Sweetspot

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



20.0579, 0.3662, 0.4333



37.0317, 0.3294, 0.3606



10.5898, 0.4133, 0.3403



8.6398, 0.3319, 0.3653



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.



20.0579, 0.3662, 0.4333



34.8625, 0.3772, 0.4564



18.3509, 0.3317, 0.4463



4.9965, 0.3241, 0.3504



18.8637, 0.4010, 0.5198



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.9841, 0.2439, 0.2050



10.5364, 0.2241, 0.1710



9.3874, 0.2829, 0.2173



4.2323, 0.3008, 0.3069



1.6374, 0.1553, 0.0629



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.0570, 0.3662, 0.4333 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 20.0570, 0.3662, 0.4333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

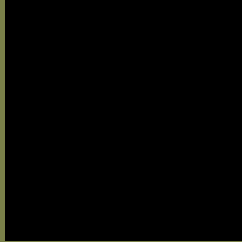
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

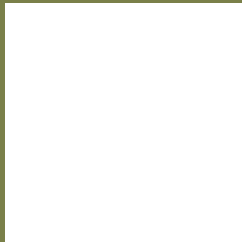
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0570, 0.3662, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 20.0570, 0.3662, 0.4333.



This preview shows how white text looks on a background with the Yxy color 20.0570, 0.3662, 0.4333.

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

20.0570, 0.3662, 0.4333

Protanopia

20.1045, 0.3897, 0.4235

Deuteranopia

19.9489, 0.4089, 0.4013



Tritanopia

19.9806, 0.3111, 0.3110

Trichromacy



Original Color

20.0570, 0.3662, 0.4333

Protanomaly

19.9604, 0.3812, 0.4259

Deuteranomaly

19.9889, 0.3933, 0.4136

Tritanomaly

19.9767, 0.3313, 0.3553

Monochromacy



Original Color

20.0570, 0.3662, 0.4333

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.2101, 0.3333, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0570, 0.3662, 0.4333 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(122, 128, 73)` looks like.

```
.text, #text, p{  
    color:rgb(122, 128, 73)  
}
```

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(122, 128, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 128, 73) }
```

Border

The CSS property to change the border of an element to Yxy 20.0570, 0.3662, 0.4333 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(122, 128, 73) }
```

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

```
.border{ border-color:rgb(122, 128, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 128, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 128, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 128, 73);  
box-shadow:4px 4px 4px 4px rgb(122, 128,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0570, 0.3662, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 128, 73) }
```

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

```
.background{ background-color: rgb(122,  
128, 73) }
```

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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