

Converting Colors

$Y_{xy}(19.9861, 0.3655, 0.4230)$

Have a look what the booklet for
Yxy(19.9861, 0.3655, 0.4230)
contains.

Yxy(19.9997, 0.3652, 0.4236)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9997, 0.3652, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	7C7F4D
RGB	124, 127, 77
RGB Percent	49%, 50%, 30%
CMY	0.5137, 0.5020, 0.6981
CMYK	0.02, 0.00, 0.39, 0.50
HSL	64°, 25%, 40%
HSV	64°, 39%, 50%
XYZ	17.2424, 19.9997, 9.9715
YIQ	120.4030, 14.2620, -16.1860

Conversions

Conversions Part 2

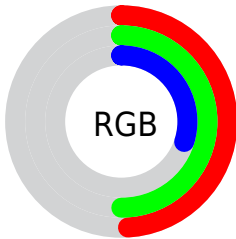
Format	Color
R_{YB}	77, 127, 80
Decimal	8159053
CIE Lab	51.84, -9.35, 26.81
CIE LCh	52, 28.396, 109.235
Yxy	19.9997, 0.3652, 0.4236
Android (android.graphics.Color)	4286349133 (0xFF7C7F4D)
YUV	120.4030, -21.3977, 3.1546
Hunter-Lab	44.7210, -9.4402, 18.0847

Details

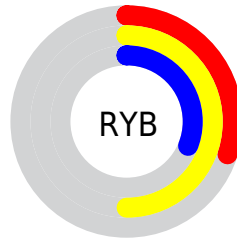
The Yxy color **19.9997, 0.3652, 0.4236** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.5440, 0.2476, 0.2160**, and the grayscale version is **18.9857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5219, 0.3536, 0.4020**, and **7.0036, 0.3828, 0.4625** is the 20% darker color. If you saturate the color by 10%, you get **19.7821, 0.3773, 0.4461**, and if you desaturate by 10%, it is **20.2546, 0.3522, 0.3997**.

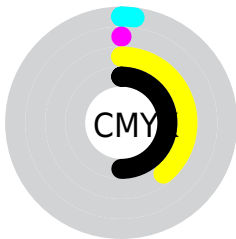
Distribution



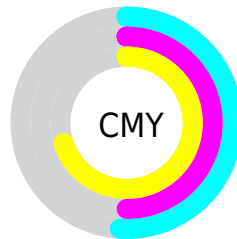
- Red (49%)
- Green (50%)
- Blue (30%)



- Red (30%)
- Yellow (50%)
- Blue (31%)



- Cyan (2%)
- Magenta (0%)
- Yellow (39%)
- Black (50%)




- Cyan (51%)
- Magenta (50%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9997, 0.3652, 0.4236 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 19.9997, 0.3652, 0.4236 by changing the saturation by 10% instead.


 19.9997, 0.3652,
0.4236


 19.9997, 0.3652,
0.4236


251.9135, 0.3365,
0.3691


 12.3948, 0.3728,
0.4399


 43.4167, 0.3543,
0.4018


 7.0132, 0.3825,
0.4626


 59.9976, 0.3503,
0.3943

 3.4703, 0.3952,
0.4964

 80.3393, 0.3470,
0.3881

 1.3819, 0.4269,
0.5731

 104.8262, 0.3443,
0.3830

 0.2034, 0.0000,
1.0000

 133.8426, 0.3419,
0.3787

 0.0000, 0.0000,
0.0000

167.7731, 0.3399,

0.3750

207.0019, 0.3381,
0.3718

■ 19.9997, 0.3652,
0.4236

■ 19.9997, 0.3652,
0.4236

■ 19.7821, 0.3773,
0.4461

■ 20.2546, 0.3522,
0.3997

■ 19.5970, 0.3878,
0.4664

■ 20.5459, 0.3387,
0.3753

■ 19.4430, 0.3965,
0.4836

■ 20.8764, 0.3251,
0.3510

■ 19.3177, 0.4029,
0.4970

■ 21.2475, 0.3119,
0.3276

■ 19.2180, 0.4069,
0.5064

■ 21.6610, 0.2992,
0.3053

■ 19.1353, 0.4091,
0.5128

■ 22.1182, 0.2873,
0.2844

■ 19.1302, 0.4093,
0.5132

■ 22.6205, 0.2761,
0.2651

■ 23.1693, 0.2659,
0.2474

■ 23.7658, 0.2565,
0.2312

Harmonies

Analogous

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



19.9997, 0.4039, 0.4026



19.9997, 0.3652, 0.4236



19.9997, 0.3143, 0.4159

Triad

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



19.9997, 0.3652, 0.4236



19.9997, 0.2177, 0.2787



19.9997, 0.3576, 0.2863

Complementary

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



19.9997, 0.3652, 0.4236



8.5440, 0.2476, 0.2160

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.



19.9997, 0.3039, 0.2585



19.9997, 0.3652, 0.4236



19.9997, 0.2267, 0.2520

Square

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



19.9997, 0.3652, 0.4236



19.9997, 0.2310, 0.3243



19.9997, 0.2569, 0.2459



19.9997, 0.4009, 0.3242

Rectangle

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



19.9997, 0.3652, 0.4236



19.9997, 0.2806, 0.3928



19.9997, 0.2569, 0.2459



19.9997, 0.3400, 0.2756

Sweetspot

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



20.0006, 0.3652, 0.4236



37.2051, 0.3291, 0.3580



10.7114, 0.4033, 0.3343



8.6960, 0.3305, 0.3605



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.



20.0006, 0.3652, 0.4236



35.4709, 0.3758, 0.4434



18.3952, 0.3336, 0.4344



5.0068, 0.3248, 0.3504



19.2931, 0.4093, 0.5132



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.5440, 0.2476, 0.2160



11.9996, 0.2302, 0.1866



9.8123, 0.2823, 0.2261



4.2230, 0.3001, 0.3068



1.5945, 0.1528, 0.0616



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.9997, 0.3652, 0.4236 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 19.9997, 0.3652, 0.4236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

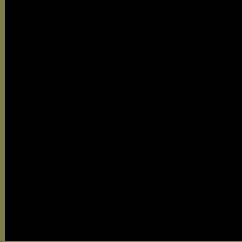
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

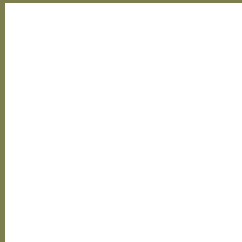
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9997, 0.3652, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 19.9997, 0.3652, 0.4236.



This preview shows how white text looks on a background with the Yxy color 19.9997, 0.3652, 0.4236.

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

19.9997, 0.3652, 0.4236

Protanopia

20.0880, 0.3829, 0.4156

Deuteranopia

19.9109, 0.4027, 0.3953



Tritanopia

20.0323, 0.3135, 0.3128

Trichromacy



Original Color

19.9997, 0.3652, 0.4236

Protanomaly

20.0143, 0.3768, 0.4190

Deuteranomaly

19.8003, 0.3895, 0.4053

Tritanomaly

19.9028, 0.3329, 0.3514

Monochromacy



Original Color

19.9997, 0.3652, 0.4236

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.2303, 0.3322, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9997, 0.3652, 0.4236 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(124, 127, 77)` looks like.

```
.text, #text, p{  
    color:rgb(124, 127, 77)  
}
```

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(124, 127, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 127, 77) }
```

Border

The CSS property to change the border of an element to Yxy 19.9997, 0.3652, 0.4236 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(124, 127, 77) }
```

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

```
.border{ border-color:rgb(124, 127, 77) }
```

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

Here you see how a box with a 4 pixel rgb(124, 127, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 127, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 127, 77);  
box-shadow:4px 4px 4px 4px rgb(124, 127,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9997, 0.3652, 0.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 127, 77) }
```

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

```
.background{ background-color: rgb(124,  
127, 77) }
```

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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