

Converting Colors

$Y_{xy}(21.2730, 0.3537, 0.3778)$

Have a look what the booklet for
Yxy(21.2730, 0.3537, 0.3778)
contains.

Yxy(21.2497, 0.3535, 0.3778)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2497, 0.3535, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	877F64
RGB	135, 127, 100
RGB Percent	53%, 50%, 39%
CMY	0.4705, 0.5020, 0.6078
CMYK	0.00, 0.06, 0.26, 0.47
HSL	46°, 15%, 46%
HSV	46°, 26%, 53%
XYZ	19.8829, 21.2497, 15.1133
YIQ	126.3140, 13.4350, -6.7010

Conversions

Conversions Part 2

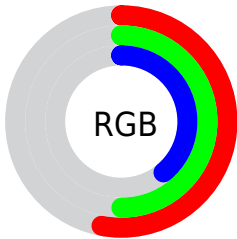
Format	Color
R_{YB}	110, 135, 100
Decimal	8879972
CIE Lab	53.22, -1.56, 15.79
CIE LCh	53, 15.871, 95.625
Yxy	21.2497, 0.3535, 0.3778
Android (android.graphics.Color)	4287070052 (0xFF877F64)
YUV	126.3140, -12.9728, 7.6176
Hunter-Lab	46.0974, -3.6791, 12.8296

Details

The Yxy color **21.2497, 0.3535, 0.3778** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.1898, 0.2714, 0.2749**, and the grayscale version is **21.0193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6957, 0.3447, 0.3672**, and **7.6371, 0.3701, 0.3974** is the 20% darker color. If you saturate the color by 10%, you get **20.2244, 0.3709, 0.3971**, and if you desaturate by 10%, it is **22.3447, 0.3369, 0.3585**.

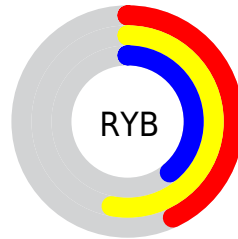
Distribution



Red (53%)

Green (50%)

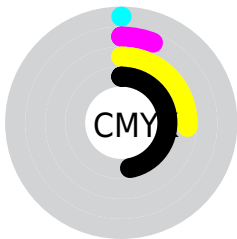
Blue (39%)



Red (43%)

Yellow (53%)

Blue (39%)

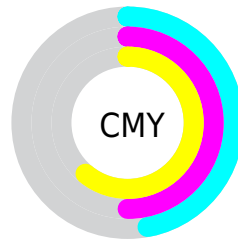


Cyan (0%)

Magenta (6%)

Yellow (26%)

Black (47%)



Cyan (47%)

Magenta (50%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2497, 0.3535, 0.3778 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 21.2497, 0.3535, 0.3778 by changing the saturation by 10% instead.


 21.2497, 0.3535,
0.3778


 21.2497, 0.3535,
0.3778


258.6025, 0.3306,
0.3502


 13.3066, 0.3602,
0.3860


 45.5027, 0.3445,
0.3669


 7.6400, 0.3694,
0.3973


 62.5815, 0.3413,
0.3631

 3.8655, 0.3829,
0.4141

 83.4743, 0.3387,
0.3599

 1.5986, 0.4121,
0.4501

 108.5655, 0.3366,
0.3573

 0.3567, 0.4577,
0.5423

138.2396, 0.3347,
0.3551

 0.0000, 0.0000,
0.0000

172.8808, 0.3332,

0.3533

212.8737, 0.3318,
0.3516

■ 21.2497, 0.3535,
0.3778

■ 21.2497, 0.3535,
0.3778

■ 20.2244, 0.3709,
0.3971

■ 22.3447, 0.3369,
0.3585

■ 19.2636, 0.3886,
0.4156

■ 23.5089, 0.3214,
0.3397

■ 18.3657, 0.4062,
0.4326

■ 24.7451, 0.3070,
0.3218

■ 17.5281, 0.4229,
0.4472

■ 26.0553, 0.2939,
0.3049

■ 16.7475, 0.4380,
0.4583

■ 27.4415, 0.2820,
0.2892

■ 16.0205, 0.4508,
0.4653

■ 28.9055, 0.2712,
0.2746

■ 15.3418, 0.4611,
0.4681

■ 30.4489, 0.2615,
0.2613

■ 15.0738, 0.4652,
0.4689

■ 32.0734, 0.2528,
0.2490

■ 33.7805, 0.2450,
0.2378

Harmonies

Analogous

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



21.2497, 0.3684, 0.3632



21.2497, 0.3535, 0.3778



21.2497, 0.3279, 0.3792

Triad

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



21.2497, 0.3535, 0.3778



21.2497, 0.2606, 0.3130



21.2497, 0.3247, 0.2964

Complementary

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



21.2497, 0.3535, 0.3778



15.1898, 0.2714, 0.2749

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.



21.2497, 0.2956, 0.2838



21.2497, 0.3535, 0.3778



21.2497, 0.2597, 0.2921

Square

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



21.2497, 0.3535, 0.3778



21.2497, 0.2747, 0.3402



21.2497, 0.2722, 0.2820



21.2497, 0.3515, 0.3168

Rectangle

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



21.2497, 0.3535, 0.3778



21.2497, 0.3086, 0.3714



21.2497, 0.2722, 0.2820



21.2497, 0.3148, 0.2912

Sweetspot

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



21.2507, 0.3535, 0.3778



41.6114, 0.3248, 0.3439



15.3551, 0.3530, 0.3139



9.5702, 0.3269, 0.3465



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.



21.2507, 0.3535, 0.3778



36.9744, 0.3634, 0.3890



22.6623, 0.3390, 0.3935



5.2471, 0.3262, 0.3457



13.9182, 0.4650, 0.4690



0.0591, 0.4401, 0.4887

Inverse Universe

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



15.1898, 0.2714, 0.2749



24.2469, 0.2612, 0.2608



14.1396, 0.2816, 0.2605



4.7049, 0.2992, 0.3118



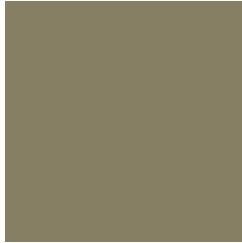
2.5299, 0.1581, 0.0891



0.0183, 0.1777, 0.1598

Previews

White Background



This preview shows how the Yxy color 21.2497, 0.3535, 0.3778 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 21.2497, 0.3535, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

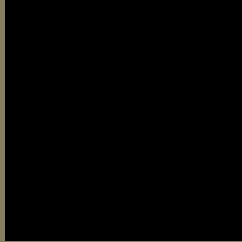
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2497, 0.3535, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 21.2497, 0.3535, 0.3778.



This preview shows how white text looks on a background with the Yxy color 21.2497, 0.3535, 0.3778.

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

21.2497, 0.3535, 0.3778

Protanopia

21.2497, 0.3535, 0.3778

Deuteranopia

21.1546, 0.3715, 0.3651



Tritanopia

21.3208, 0.3220, 0.3135

Trichromacy



Original Color

21.2497, 0.3535, 0.3778

Protanomaly

21.2497, 0.3535, 0.3778

Deuteranomaly

21.1945, 0.3640, 0.3694

Tritanomaly

21.1746, 0.3346, 0.3361

Monochromacy



Original Color

21.2497, 0.3535, 0.3778

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.8732, 0.3265, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2497, 0.3535, 0.3778 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(135, 127, 100)` looks like.

```
.text, #text, p{  
    color:rgb(135, 127, 100)  
}
```

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(135, 127, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 127, 100) }
```

Border

The CSS property to change the border of an element to Yxy 21.2497, 0.3535, 0.3778 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(135, 127, 100) }
```

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

```
.border{ border-color:rgb(135, 127, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 127, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 127, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 127, 100);  
box-shadow:4px 4px 4px 4px rgb(135, 127,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2497, 0.3535, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 127, 100) }
```

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

```
.background{ background-color: rgb(135,  
127, 100) }
```

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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