

Converting Colors

$Y_{xy}(21.6424, 0.3393, 0.3564)$

Have a look what the booklet for
Yxy(21.6424, 0.3393, 0.3564)
contains.

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Color

Yxy(21.4995, 0.3395, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	877F70
RGB	135, 127, 112
RGB Percent	53%, 50%, 44%
CMY	0.4705, 0.5020, 0.5607
CMYK	0.00, 0.06, 0.17, 0.47
HSL	39°, 9%, 48%
HSV	39°, 17%, 53%
XYZ	20.5088, 21.4995, 18.4005
YIQ	127.6820, 9.5830, -2.9690

Conversions

Conversions Part 2

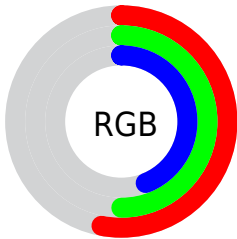
Format	Color
RYB	124, 135, 112
Decimal	8879984
CIELab	53.49, 0.36, 9.24
CIELCh	53, 9.247, 87.757
Yxy	21.4995, 0.3395, 0.3559
Android (android.graphics.Color)	4287070064 (0xFF877F70)
YUV	127.6820, -7.7312, 6.4179
Hunter-Lab	46.3676, -2.1910, 8.9286

Details

The Yxy color **21.4995, 0.3395, 0.3559** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.6372, 0.2867, 0.3006**, and the grayscale version is **21.4969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0142, 0.3329, 0.3500**, and **7.7502, 0.3505, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **20.0335, 0.3573, 0.3725**, and if you desaturate by 10%, it is **23.0694, 0.3232, 0.3399**.

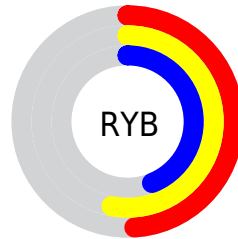
Distribution



Red (53%)

Green (50%)

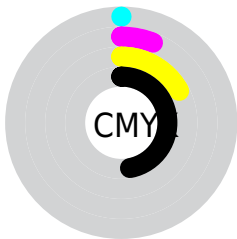
Blue (44%)



Red (49%)

Yellow (53%)

Blue (44%)

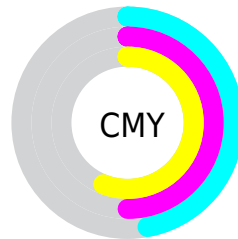


Cyan (0%)

Magenta (6%)

Yellow (17%)

Black (47%)



Cyan (47%)


Magenta (50%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4995, 0.3395, 0.3559 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 21.4995, 0.3395, 0.3559 by changing the saturation by 10% instead.


 21.4995, 0.3395,
0.3559


 21.4995, 0.3395,
0.3559


259.9213, 0.3244,
0.3408


 13.4896, 0.3440,
0.3604


 45.9174, 0.3335,
0.3499


 7.7665, 0.3503,
0.3667


 63.0941, 0.3314,
0.3478

 3.9459, 0.3597,
0.3760

 84.0953, 0.3297,
0.3461

 1.6434, 0.3752,
0.3914

 109.3053, 0.3283,
0.3447

 0.3866, 0.4932,
0.5068

139.1085, 0.3271,
0.3435

 0.0000, 0.0000,
0.0000

173.8893, 0.3261,

0.3424

214.0321, 0.3252,
0.3415

■ 21.4995, 0.3395,
0.3559

■ 21.4995, 0.3395,
0.3559

■ 20.0335, 0.3573,
0.3725

■ 23.0694, 0.3232,
0.3399

■ 18.6659, 0.3765,
0.3891

■ 24.7429, 0.3085,
0.3246

■ 17.3945, 0.3968,
0.4051

■ 26.5236, 0.2953,
0.3103

■ 16.2162, 0.4177,
0.4197

■ 28.4138, 0.2836,
0.2969

■ 15.1278, 0.4384,
0.4319

■ 30.4159, 0.2731,
0.2847

■ 14.1253, 0.4580,
0.4407

■ 32.5320, 0.2637,
0.2734

■ 13.2047, 0.4755,
0.4451

■ 34.7644, 0.2554,
0.2630

■ 12.3589, 0.4905,
0.4452

■ 37.1151, 0.2480,
0.2535

■ 12.1197, 0.4950,
0.4451

■ 39.5861, 0.2414,
0.2448

Harmonies

Analogous

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



21.4995, 0.3457, 0.3463



21.4995, 0.3395, 0.3559



21.4995, 0.3261, 0.3583

Triad

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



21.4995, 0.3395, 0.3559



21.4995, 0.2835, 0.3241



21.4995, 0.3154, 0.3071

Complementary

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



21.4995, 0.3395, 0.3559



18.6372, 0.2867, 0.3006

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.



21.4995, 0.2989, 0.3012



21.4995, 0.3395, 0.3559



21.4995, 0.2808, 0.3105

Square

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



21.4995, 0.3395, 0.3559



21.4995, 0.2939, 0.3397



21.4995, 0.2863, 0.3023



21.4995, 0.3316, 0.3185

Rectangle

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



21.4995, 0.3395, 0.3559



21.4995, 0.3150, 0.3553



21.4995, 0.2863, 0.3023



21.4995, 0.3097, 0.3045

Sweetspot

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



21.5005, 0.3395, 0.3559



41.8615, 0.3203, 0.3368



18.1009, 0.3333, 0.3145



9.6531, 0.3212, 0.3378



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.



21.5005, 0.3395, 0.3559



37.5748, 0.3454, 0.3615



23.3756, 0.3332, 0.3701



5.1568, 0.3265, 0.3431



11.1972, 0.4947, 0.4454



0.0525, 0.4542, 0.4775

Inverse Universe

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



18.6372, 0.2867, 0.3006



31.5684, 0.2812, 0.2942



17.0165, 0.2902, 0.2854



4.7907, 0.2992, 0.3145



3.5178, 0.1659, 0.1170



0.0249, 0.1885, 0.1987

Previews

White Background



This preview shows how the Yxy color 21.4995, 0.3395, 0.3559 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 21.4995, 0.3395, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

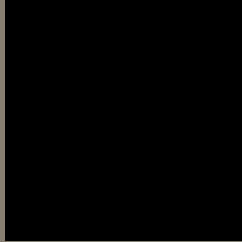
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4995, 0.3395, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 21.4995, 0.3395, 0.3559.



This preview shows how white text looks on a background with the Yxy color 21.4995, 0.3395, 0.3559.

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

21.4995, 0.3395, 0.3559

Protanopia

21.4169, 0.3382, 0.3560

Deuteranopia

21.4692, 0.3535, 0.3463



Tritanopia

21.5398, 0.3183, 0.3118

Trichromacy



Original Color

21.4995, 0.3395, 0.3559

Protanomaly

21.4169, 0.3382, 0.3560

Deuteranomaly

21.3583, 0.3481, 0.3483

Tritanomaly

21.4920, 0.3261, 0.3273

Monochromacy



Original Color

21.4995, 0.3395, 0.3559

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6688, 0.3229, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4995, 0.3395, 0.3559 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(135, 127, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 127, 112) }
```

Border

The CSS property to change the border of an element to Yxy 21.4995, 0.3395, 0.3559 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, 112) }
```

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

```
.border{ border-color:rgb(135, 127, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 127, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 127, 112); box-shadow:4px 4px 4px 4px rgb(135, 127, 112) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4995, 0.3395, 0.3559 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, 112) }
```

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

```
.background{ background-color: rgb(135,  
127, 112) }
```

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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