

Converting Colors

$Y_{xy}(77.6712, 0.3524, 0.3627)$

Have a look what the booklet for
Yxy(77.6712, 0.3524, 0.3627)
contains.

Yxy(77.7959, 0.3525, 0.3632)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.7959, 0.3525, 0.3632)

Conversions

Conversions Part 1

Format	Color
Hex	F9E1C0
RGB	249, 225, 192
RGB Percent	98%, 88%, 75%
CMY	0.0235, 0.1176, 0.2471
CMYK	0.00, 0.10, 0.23, 0.02
HSL	35°, 83%, 86%
HSV	35°, 23%, 98%
XYZ	75.5040, 77.7959, 60.8959
YIQ	228.4140, 24.8970, -5.1750

Conversions

Conversions Part 2

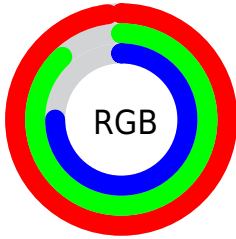
Format	Color
R _Y B	233, 249, 192
Decimal	16376256
CIE Lab	90.69, 3.21, 19.16
CIE LCh	91, 19.430, 80.478
Yxy	77.7959, 0.3525, 0.3632
Android (android.graphics.Color)	4294566336 (0xFFFF9E1C0)
YUV	228.4140, -17.9521, 18.0539
Hunter-Lab	88.2020, -1.5512, 20.8068

Details

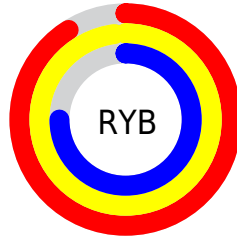
The Yxy color **77.7959, 0.3525, 0.3632** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.1415, 0.2759, 0.2922**, and the grayscale version is **78.0234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **41.7909, 0.3619, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **71.2953, 0.3732, 0.3789**, and if you desaturate by 10%, it is **84.8378, 0.3338, 0.3478**.

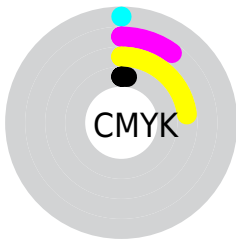
Distribution



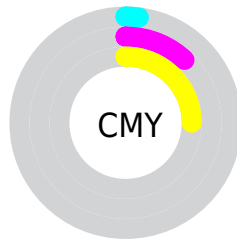
- Red (98%)
- Green (88%)
- Blue (75%)



- Red (91%)
- Yellow (98%)
- Blue (75%)



- Cyan (0%)
- Magenta (10%)
- Yellow (23%)
- Black (2%)





- Cyan (2%)
- Magenta (12%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7959, 0.3525, 0.3632 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 77.7959, 0.3525, 0.3632 by changing the saturation by 10% instead.


 77.7959, 0.3525,
0.3632

 77.7959, 0.3525,
0.3632


487.4734, 0.3343,
0.3477

 57.9063, 0.3566,
0.3666


 130.2624, 0.3462,
0.3579

 41.7333, 0.3616,
0.3708


163.6081, 0.3438,
0.3558

 28.8926, 0.3680,
0.3761


202.2079, 0.3416,
0.3540

 18.9996, 0.3761,
0.3827

246.4463, 0.3398,
0.3524

 11.6700, 0.3870,
0.3915

296.7077, 0.3382,
0.3511

 6.5194, 0.4022,
0.4035

353.3764, 0.3367,

 3.1634, 0.4245,

0.3498

0.4205

416.8368, 0.3354,
0.3487

■ 1.2176, 0.5080,
0.4920

■ 0.0760, 0.6647,
0.3353

■ 77.7959, 0.3525,
0.3632

■ 77.7959, 0.3525,
0.3632

■ 71.2953, 0.3732,
0.3789

■ 84.8378, 0.3338,
0.3478

■ 65.3099, 0.3957,
0.3942

■ 92.4253, 0.3172,
0.3331

■ 59.8267, 0.4196,
0.4083

■ 98.8791, 0.3090,
0.3290

■ 54.8279, 0.4441,
0.4200

■ 50.2942, 0.4680,
0.4282

■ 46.2039, 0.4899,
0.4316

■ 42.5322, 0.5086,
0.4296

■ 40.1557, 0.5199,
0.4254

Harmonies

Analogous

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



77.7959, 0.3582, 0.3481



77.7959, 0.3525, 0.3632



77.7959, 0.3360, 0.3696

Triad

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



77.7959, 0.3525, 0.3632



77.7959, 0.2755, 0.3272



77.7959, 0.3105, 0.2967

Complementary

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



77.7959, 0.3525, 0.3632



67.1415, 0.2759, 0.2922

Split Complementary

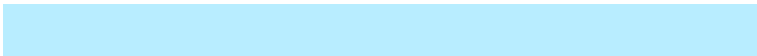
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7959, 0.2889, 0.2908



77.7959, 0.3525, 0.3632



77.7959, 0.2692, 0.3074

Square

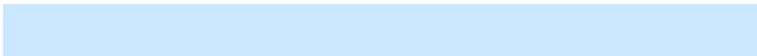
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7959, 0.3525, 0.3632



77.7959, 0.2915, 0.3485



77.7959, 0.2740, 0.2944



77.7959, 0.3335, 0.3104

Rectangle

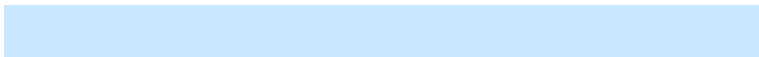
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7959, 0.3525, 0.3632



77.7959, 0.3213, 0.3675



77.7959, 0.2740, 0.2944



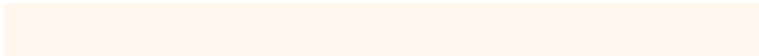
77.7959, 0.3029, 0.2938

Sweetspot

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



77.7994, 0.3525, 0.3632



94.2046, 0.3238, 0.3391



62.8253, 0.3400, 0.3034



20.0596, 0.3248, 0.3399



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7994, 0.3525, 0.3632



79.2213, 0.3608, 0.3697



91.0021, 0.3448, 0.3868



18.8954, 0.3279, 0.3427



21.7828, 0.5178, 0.4270



2.2272, 0.5028, 0.4390

Inverse Universe

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



67.1415, 0.2759, 0.2922



66.3392, 0.2688, 0.2846



56.2389, 0.2763, 0.2649



17.8433, 0.2979, 0.3149



9.3103, 0.1701, 0.1322



1.0668, 0.1765, 0.1554

Previews

White Background



This preview shows how the Yxy color 77.7959, 0.3525, 0.3632 looks on a white background.

Color Contrast Check

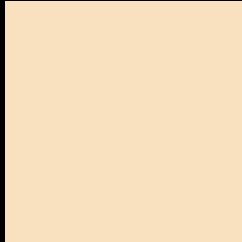
Large Text (above 18pt) WCAG AA × Fail

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 77.7959, 0.3525, 0.3632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

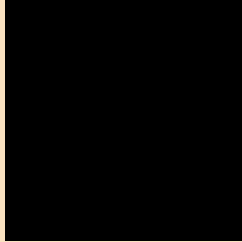
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7959, 0.3525, 0.3632

Background



This preview shows how black text looks on a background with the Yxy color 77.7959, 0.3525, 0.3632.



This preview shows how white text looks on a background with the Yxy color 77.7959, 0.3525, 0.3632.

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

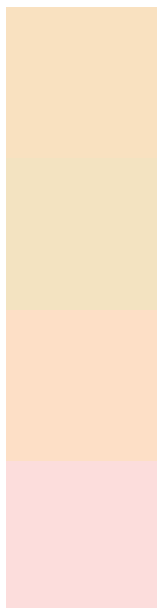




Tritanopia

77.7900, 0.3264, 0.3121

Trichromacy



Original Color

77.7959, 0.3525, 0.3632

Protanomaly

77.8431, 0.3469, 0.3646

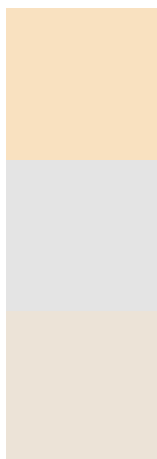
Deuteranomaly

77.7352, 0.3517, 0.3546

Tritanomaly

77.5757, 0.3358, 0.3301

Monochromacy



Original Color

77.7959, 0.3525, 0.3632

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6773, 0.3269, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7959, 0.3525, 0.3632 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(249, 225, 192)` looks like.

```
.text, #text, p{  
    color:rgb(249, 225, 192)  
}
```

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(249, 225, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 225, 192) }
```

Border

The CSS property to change the border of an element to Yxy 77.7959, 0.3525, 0.3632 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(249, 225, 192) }
```

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

```
.border{ border-color:rgb(249, 225, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 225, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 225, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 225, 192);  
box-shadow:4px 4px 4px 4px rgb(249, 225,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7959, 0.3525, 0.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 225, 192) }
```

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

```
.background{ background-color: rgb(249,  
225, 192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor