

Converting Colors

$Y_{xy}(82.3262, 0.3538, 0.3659)$

Have a look what the booklet for
Yxy(82.3262, 0.3538, 0.3659)
contains.

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Color

Yxy(82.3520, 0.3535, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7C3
RGB	255, 231, 195
RGB Percent	100%, 91%, 76%
CMY	0.0000, 0.0941, 0.2351
CMYK	0.00, 0.09, 0.24, 0.00
HSL	36°, 100%, 88%
HSV	36°, 24%, 100%
XYZ	79.6700, 82.3520, 63.3529
YIQ	234.0720, 25.8600, -6.1080

Conversions

Conversions Part 2

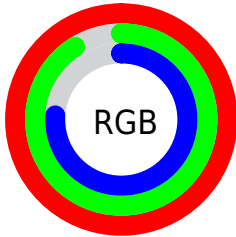
Format	Color
R _Y B	235, 255, 195
Decimal	16771011
CIE Lab	92.73, 2.77, 20.50
CIE LCh	93, 20.684, 82.299
Yxy	82.3520, 0.3535, 0.3654
Android (android.graphics.Color)	4294961091 (0xFFFFE7C3)
YUV	234.0720, -19.2625, 18.3539
Hunter-Lab	90.7480, -2.0992, 22.1321

Details

The Yxy color **82.3520, 0.3535, 0.3654** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.5139, 0.2747, 0.2897**, and the grayscale version is **82.4752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **44.9795, 0.3630, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **75.7506, 0.3740, 0.3816**, and if you desaturate by 10%, it is **89.4910, 0.3348, 0.3495**.

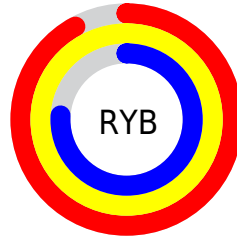
Distribution



Red (100%)

Green (91%)

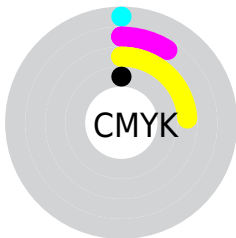
Blue (76%)



Red (92%)

Yellow (100%)

Blue (76%)

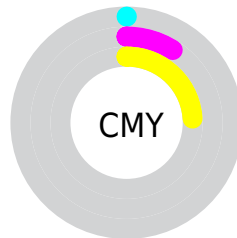


Cyan (0%)

Magenta (9%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3520, 0.3535, 0.3654 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 82.3520, 0.3535, 0.3654 by changing the saturation by 10% instead.

 82.3520, 0.3535,
0.3654

 82.3520, 0.3535,
0.3654


502.8244, 0.3350,
0.3491

 61.6557, 0.3576,
0.3690


136.6675, 0.3472,
0.3598

 44.7546, 0.3626,
0.3733

171.0555, 0.3447,
0.3577

 31.2642, 0.3689,
0.3788


210.7763, 0.3425,
0.3558

 20.8001, 0.3769,
0.3856

256.2141, 0.3407,
0.3541

 12.9779, 0.3875,
0.3946

307.7534, 0.3390,
0.3526

 7.4134, 0.4020,
0.4067

365.7787, 0.3375,

 3.7219, 0.4230,

0.3513

0.4235

430.6742, 0.3362,
0.3501

■ 1.5193, 0.4878,
0.4802

■ 0.3022, 0.5401,
0.4599

■ 82.3520, 0.3535,
0.3654

■ 82.3520, 0.3535,
0.3654

■ 75.7506, 0.3740,
0.3816

■ 89.4910, 0.3348,
0.3495

■ 69.6601, 0.3962,
0.3973

■ 97.1712, 0.3181,
0.3342

■ 64.0675, 0.4196,
0.4118

■ 99.9999, 0.3127,
0.3290

■ 58.9548, 0.4433,
0.4238

■ 54.3025, 0.4662,
0.4321

■ 50.0886, 0.4869,
0.4356

■ 46.2875, 0.5044,
0.4337

■ 44.0210, 0.5140,
0.4300

Harmonies

Analogous

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



82.3520, 0.3603, 0.3500



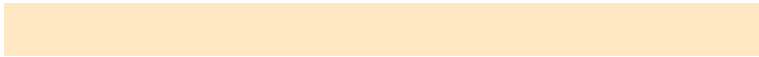
82.3520, 0.3535, 0.3654



82.3520, 0.3357, 0.3715

Triad

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



82.3520, 0.3535, 0.3654



82.3520, 0.2732, 0.3257



82.3520, 0.3119, 0.2960

Complementary

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



82.3520, 0.3535, 0.3654



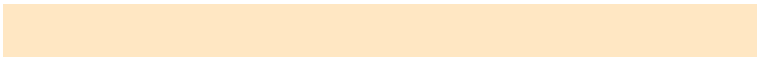
69.5139, 0.2747, 0.2897

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.



82.3520, 0.2890, 0.2893



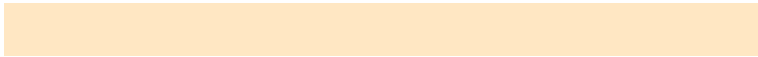
82.3520, 0.3535, 0.3654



82.3520, 0.2673, 0.3053

Square

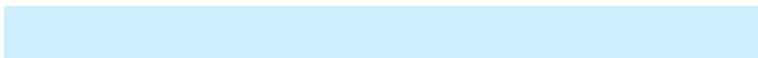
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3520, 0.3535, 0.3654



82.3520, 0.2894, 0.3481



82.3520, 0.2730, 0.2924



82.3520, 0.3358, 0.3107

Rectangle

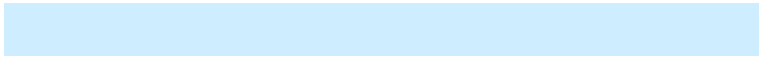
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3520, 0.3535, 0.3654



82.3520, 0.3202, 0.3688



82.3520, 0.2730, 0.2924



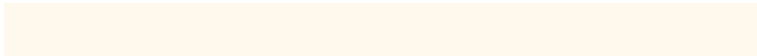
82.3520, 0.3038, 0.2928

Sweetspot

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



82.3557, 0.3535, 0.3654



94.4292, 0.3237, 0.3394



65.4799, 0.3417, 0.3036



20.1116, 0.3247, 0.3403



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.



82.3557, 0.3535, 0.3654



79.3263, 0.3625, 0.3727



95.7865, 0.3450, 0.3886



19.7993, 0.3279, 0.3432



23.3023, 0.5121, 0.4316



2.4828, 0.4986, 0.4423

Inverse Universe

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



69.5139, 0.2747, 0.2897



64.5371, 0.2669, 0.2810



58.5565, 0.2758, 0.2630



18.5710, 0.2979, 0.3143



9.0174, 0.1683, 0.1259



1.0849, 0.1745, 0.1483

Previews

White Background



This preview shows how the Yxy color 82.3520, 0.3535, 0.3654 looks on a white background.

Color Contrast Check

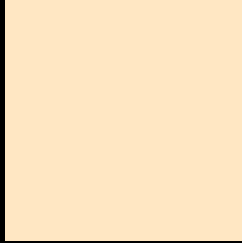
Large Text (above 18pt) WCAG AA × Fail

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 82.3520, 0.3535, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

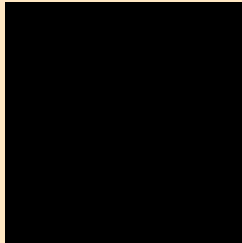
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3520, 0.3535, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 82.3520, 0.3535, 0.3654.

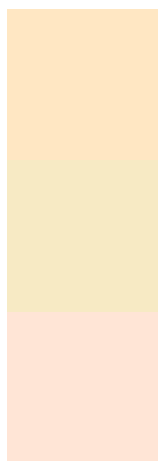


This preview shows how white text looks on a background with the Yxy color 82.3520, 0.3535, 0.3654.

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

82.3520, 0.3535, 0.3654

Protanopia

82.6053, 0.3464, 0.3681

Deuteranopia

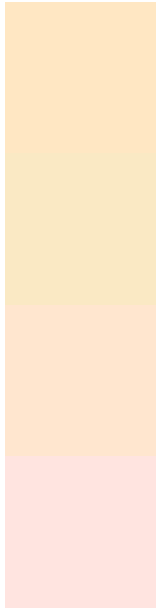
82.1537, 0.3409, 0.3441



Tritanopia

82.4894, 0.3237, 0.3162

Trichromacy



Original Color

82.3520, 0.3535, 0.3654

Protanomaly

82.5873, 0.3488, 0.3668

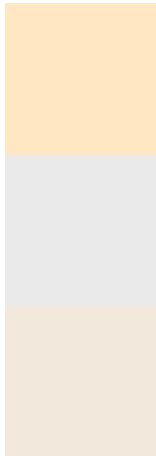
Deuteranomaly

82.3586, 0.3456, 0.3522

Tritanomaly

82.1286, 0.3343, 0.3331

Monochromacy



Original Color

82.3520, 0.3535, 0.3654

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3224, 0.3272, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3520, 0.3535, 0.3654 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(255, 231, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 195)  
}
```

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(255, 231, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 195) }
```

Border

The CSS property to change the border of an element to Yxy 82.3520, 0.3535, 0.3654 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(255, 231, 195) }
```

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

```
.border{ border-color:rgb(255, 231, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3520, 0.3535, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 195) }
```

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

```
.background{ background-color: rgb(255,  
231, 195) }
```

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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