

Converting Colors

$Y_{xy}(77.6402, 0.3552, 0.3565)$

Have a look what the booklet for
Yxy(77.6402, 0.3552, 0.3565)
contains.

Yxy(77.4427, 0.3555, 0.3566)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.4427, 0.3555, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	FFDEC3
RGB	255, 222, 195
RGB Percent	100%, 87%, 76%
CMY	0.0001, 0.1293, 0.2352
CMYK	0.00, 0.13, 0.24, 0.00
HSL	27°, 100%, 88%
HSV	27°, 24%, 100%
XYZ	77.2038, 77.4427, 62.5231
YIQ	228.7890, 28.3350, -1.4010

Conversions

Conversions Part 2

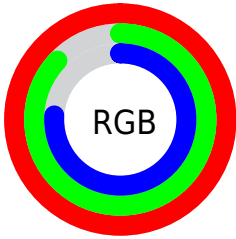
Format	Color
R _Y B	255, 244, 195
Decimal	16768707
CIE Lab	90.52, 7.36, 17.43
CIE LCh	91, 18.919, 67.104
Yxy	77.4427, 0.3555, 0.3566
Android (android.graphics.Color)	4294958787 (0xFFFFDEC3)
YUV	228.7890, -16.6580, 22.9870
Hunter-Lab	88.0015, 2.5955, 19.4768

Details

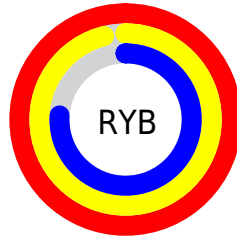
The Yxy color $77.4427, 0.3555, 0.3566$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $74.2951, 0.2755, 0.2997$, and the grayscale version is $78.3014, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.8083, 0.3144, 0.3319$, and $41.5663, 0.3661, 0.3630$ is the 20% darker color. If you saturate the color by 10%, you get $69.2506, 0.3783, 0.3690$, and if you desaturate by 10%, it is $86.4576, 0.3355, 0.3445$.

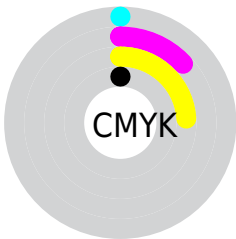
Distribution



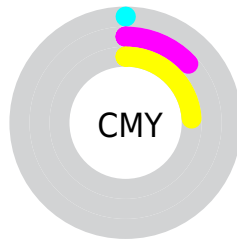
- Red (100%)
- Green (87%)
- Blue (76%)



- Red (100%)
- Yellow (96%)
- Blue (76%)



- Cyan (0%)
- Magenta (13%)
- Yellow (24%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4427, 0.3555, 0.3566 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 77.4427, 0.3555, 0.3566 by changing the saturation by 10% instead.

 77.4427, 0.3555,
0.3566

 77.4427, 0.3555,
0.3566


486.2721, 0.3358,
0.3443

 57.6163, 0.3600,
0.3593


129.7642, 0.3487,
0.3524

 41.5002, 0.3654,
0.3626


163.0281, 0.3460,
0.3508

 28.7102, 0.3723,
0.3667


201.5399, 0.3438,
0.3493

 18.8617, 0.3813,
0.3718

245.6841, 0.3418,
0.3481

 11.5704, 0.3933,
0.3785

295.8450, 0.3400,
0.3469

 6.4519, 0.4103,
0.3874

352.4070, 0.3384,

 3.1217, 0.4357,

0.3459

0.3997

415.7546, 0.3371,
0.3451

■ 1.1956, 0.5238,
0.4570

■ 0.0581, 0.8017,
0.1983

■ 77.4427, 0.3555,
0.3566

■ 77.4427, 0.3555,
0.3566

■ 69.2506, 0.3783,
0.3690

■ 86.4576, 0.3355,
0.3445

■ 61.8458, 0.4039,
0.3811

■ 96.3086, 0.3182,
0.3329

■ 55.2055, 0.4321,
0.3921

99.9931, 0.3127,
0.3290

■ 49.3013, 0.4620,
0.4008

■ 44.1029, 0.4921,
0.4058

■ 39.5770, 0.5204,
0.4061

■ 35.6858, 0.5449,
0.4007

■ 33.4725, 0.5584,
0.3948

Harmonies

Analogous

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



77.4427, 0.3556, 0.3395



77.4427, 0.3555, 0.3566



77.4427, 0.3436, 0.3671

Triad

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



77.4427, 0.3555, 0.3566



77.4427, 0.2824, 0.3367



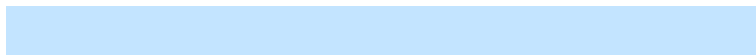
77.4427, 0.3007, 0.2939

Complementary

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



77.4427, 0.3555, 0.3566



74.2951, 0.2755, 0.2997

Split Complementary

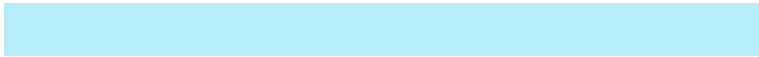
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4427, 0.2819, 0.2921



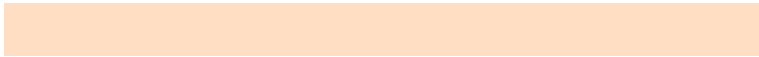
77.4427, 0.3555, 0.3566



77.4427, 0.2717, 0.3160

Square

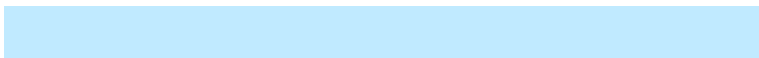
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4427, 0.3555, 0.3566



77.4427, 0.3012, 0.3559



77.4427, 0.2715, 0.2999



77.4427, 0.3233, 0.3041

Rectangle

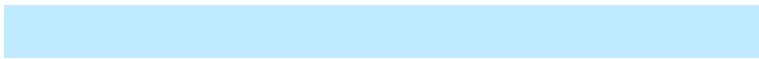
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4427, 0.3555, 0.3566



77.4427, 0.3309, 0.3685



77.4427, 0.2715, 0.2999



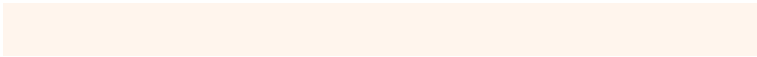
77.4427, 0.2937, 0.2923

Sweetspot

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



77.4462, 0.3555, 0.3566



92.8020, 0.3240, 0.3368



65.8961, 0.3355, 0.2957



19.7348, 0.3250, 0.3375



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.



77.4462, 0.3555, 0.3566



73.6891, 0.3654, 0.3622



94.7945, 0.3490, 0.3852



19.3341, 0.3283, 0.3397



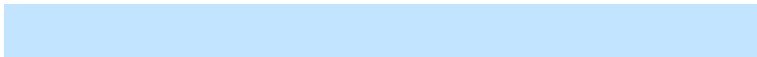
17.7842, 0.5556, 0.3970



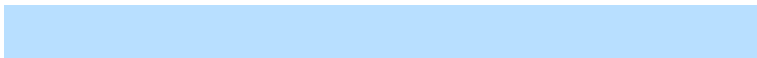
1.9461, 0.5362, 0.4124

Inverse Universe

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



74.2951, 0.2755, 0.2997



70.0547, 0.2682, 0.2933



59.2220, 0.2727, 0.2658



19.0331, 0.2979, 0.3180



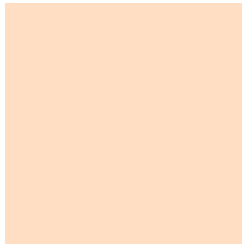
13.9015, 0.1818, 0.1743



1.5719, 0.1871, 0.1934

Previews

White Background



This preview shows how the Yxy color 77.4427, 0.3555, 0.3566 looks on a white background.

Color Contrast Check

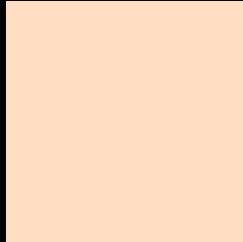
Large Text (above 18pt) WCAG AA × Fail

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 77.4427, 0.3555, 0.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

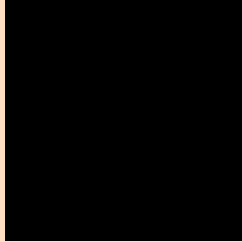
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4427, 0.3555, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 77.4427, 0.3555, 0.3566.



This preview shows how white text looks on a background with the Yxy color 77.4427, 0.3555, 0.3566.

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

77.4427, 0.3555, 0.3566

Protanopia

77.3661, 0.3405, 0.3596

Deuteranopia

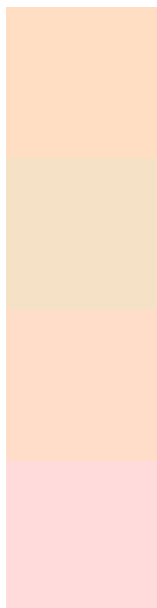
77.2847, 0.3500, 0.3474



Tritanopia

77.2860, 0.3293, 0.3141

Trichromacy



Original Color

77.4427, 0.3555, 0.3566

Protanomaly

77.2941, 0.3460, 0.3582

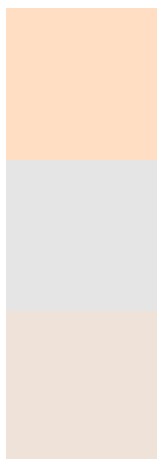
Deuteranomaly

77.1430, 0.3522, 0.3505

Tritanomaly

77.0375, 0.3390, 0.3291

Monochromacy



Original Color

77.4427, 0.3555, 0.3566

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.5796, 0.3271, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4427, 0.3555, 0.3566 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, 222, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 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, 222, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 195) }
```

Border

The CSS property to change the border of an element to Yxy 77.4427, 0.3555, 0.3566 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, 222, 195) }
```

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

```
.border{ border-color:rgb(255, 222, 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, 222, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4427, 0.3555, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 195) }
```

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

```
.background{ background-color: rgb(255,  
222, 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](#).

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