

Converting Colors

$Y_{xy}(100.0000, 0.4194, 0.3462)$

Have a look what the booklet for
Yxy(100.0000, 0.4194, 0.3462)
contains.

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Color

Yxy(77.6727, 0.3520, 0.3515)

Conversions

Conversions Part 1

Format	Color
Hex	FFDEC8
RGB	255, 222, 200
RGB Percent	100%, 87%, 78%
CMY	0.0000, 0.1294, 0.2158
CMYK	0.00, 0.13, 0.22, 0.00
HSL	24°, 100%, 89%
HSV	24°, 22%, 100%
XYZ	77.7832, 77.6727, 65.5191
YIQ	229.3590, 26.7300, 0.1540

Conversions

Conversions Part 2

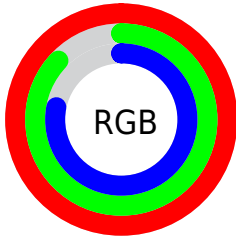
Format	Color
R_{YB}	255, 237, 200
Decimal	16768712
CIE _{Lab}	90.63, 8.07, 15.00
CIE _{LCh}	91, 17.030, 61.712
Yxy	77.6727, 0.3520, 0.3515
Android (android.graphics.Color)	4294958792 (0xFFFFDEC8)
YUV	229.3590, -14.4740, 22.4872
Hunter-Lab	88.1321, 3.3084, 17.6152

Details

The Yxy color $77.6727, 0.3520, 0.3515$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $77.7516, 0.2788, 0.3054$, and the grayscale version is $78.7274, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.7185, 0.3614, 0.3565$ is the 20% darker color. If you saturate the color by 10%, you get $68.8253, 0.3749, 0.3626$, and if you desaturate by 10%, it is $87.4624, 0.3322, 0.3407$.

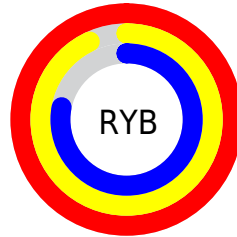
Distribution



Red (100%)

Green (87%)

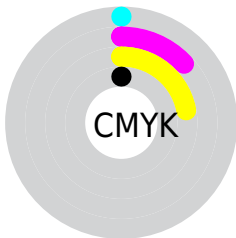
Blue (78%)



Red (100%)

Yellow (93%)

Blue (78%)

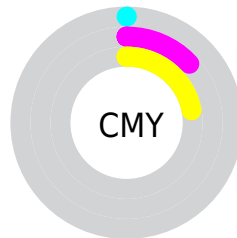


Cyan (0%)

Magenta (13%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6727, 0.3520, 0.3515 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 77.6727, 0.3520, 0.3515 by changing the saturation by 10% instead.


 77.6727, 0.3520,
0.3515

 77.6727, 0.3520,
0.3515


487.0546, 0.3339,
0.3415

 57.8052, 0.3561,
0.3537


130.0886, 0.3457,
0.3481

 41.6520, 0.3612,
0.3564


163.4058, 0.3433,
0.3467

 28.8289, 0.3675,
0.3597


201.9750, 0.3412,
0.3456

 18.9514, 0.3758,
0.3638

246.1805, 0.3394,
0.3446

 11.6352, 0.3869,
0.3693

296.4069, 0.3378,
0.3436

 6.4958, 0.4028,
0.3765


353.0384, 0.3363,


 3.1488, 0.4267,

0.3428


0.3866


416.4595, 0.3351,
0.3421


 1.2099, 0.4942,
0.4241


 0.0698, 0.7905,
0.2095


 77.6727, 0.3520,
0.3515


 77.6727, 0.3520,
0.3515


 68.8253, 0.3749,
0.3626


 87.4624, 0.3322,
0.3407

 60.8802, 0.4012,
0.3735

 98.2116, 0.3152,
0.3305

 53.8099, 0.4305,
0.3835

 99.9996, 0.3127,
0.3290

 47.5816, 0.4622,
0.3916

■ 42.1597, 0.4948,
0.3963

■ 37.5057, 0.5262,
0.3965

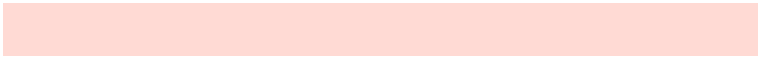
■ 33.5763, 0.5538,
0.3914

■ 30.7863, 0.5728,
0.3834

Harmonies

Analogous

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



77.6727, 0.3500, 0.3355



77.6727, 0.3520, 0.3515



77.6727, 0.3431, 0.3622

Triad

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



77.6727, 0.3520, 0.3515



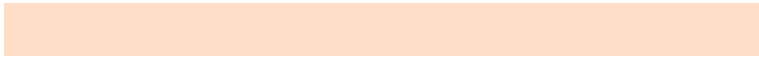
77.6727, 0.2880, 0.3394



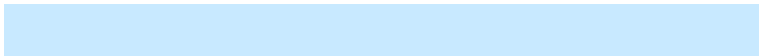
77.6727, 0.2985, 0.2964

Complementary

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



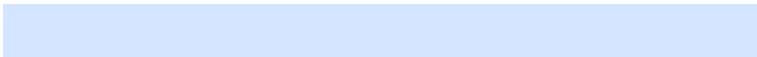
77.6727, 0.3520, 0.3515



77.7516, 0.2788, 0.3054

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.



77.6727, 0.2827, 0.2964



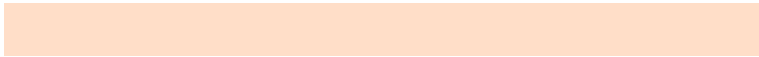
77.6727, 0.3520, 0.3515



77.6727, 0.2768, 0.3206

Square

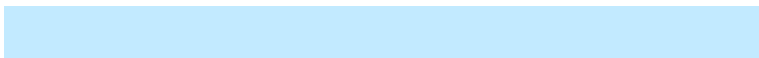
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6727, 0.3520, 0.3515



77.6727, 0.3060, 0.3556



77.6727, 0.2749, 0.3050



77.6727, 0.3186, 0.3044

Rectangle

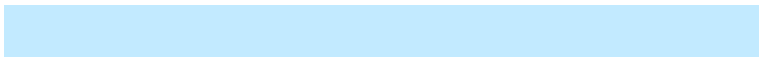
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6727, 0.3520, 0.3515



77.6727, 0.3324, 0.3645



77.6727, 0.2749, 0.3050



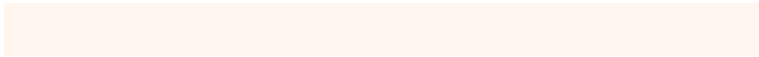
77.6727, 0.2925, 0.2954

Sweetspot

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



77.6762, 0.3520, 0.3515



93.3400, 0.3224, 0.3350



68.4384, 0.3312, 0.2959



19.8280, 0.3235, 0.3356



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.



77.6762, 0.3520, 0.3515



73.6504, 0.3617, 0.3564



93.4864, 0.3465, 0.3780



19.1809, 0.3284, 0.3386



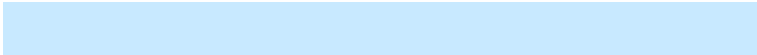
16.3597, 0.5699, 0.3857



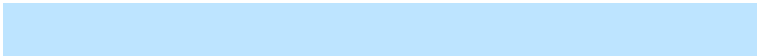
1.7998, 0.5491, 0.4022

Inverse Universe

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



77.7516, 0.2788, 0.3054



73.7341, 0.2718, 0.2999



63.3863, 0.2766, 0.2748



19.1893, 0.2979, 0.3192



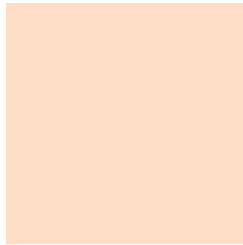
15.9561, 0.1866, 0.1918



1.7676, 0.1914, 0.2091

Previews

White Background



This preview shows how the Yxy color 77.6727, 0.3520, 0.3515 looks on a white background.

Color Contrast Check

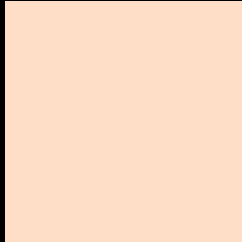
Large Text (above 18pt) WCAG AA × Fail

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 77.6727, 0.3520, 0.3515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

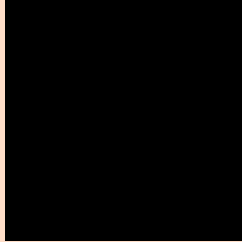
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6727, 0.3520, 0.3515

Background



This preview shows how black text looks on a background with the Yxy color 77.6727, 0.3520, 0.3515.



This preview shows how white text looks on a background with the Yxy color 77.6727, 0.3520, 0.3515.

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

77.6727, 0.3520, 0.3515

Protanopia

77.9757, 0.3363, 0.3554

Deuteranopia

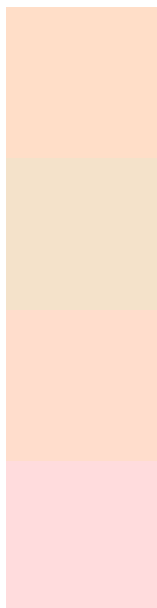
77.4291, 0.3479, 0.3443



Tritanopia

77.8062, 0.3292, 0.3151

Trichromacy



Original Color

77.6727, 0.3520, 0.3515

Protanomaly

77.8901, 0.3417, 0.3540

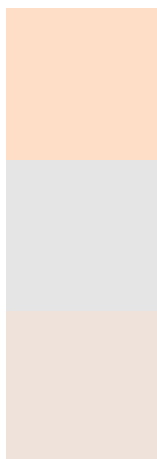
Deuteranomaly

77.3325, 0.3493, 0.3464

Tritanomaly

77.6669, 0.3374, 0.3281

Monochromacy



Original Color

77.6727, 0.3520, 0.3515

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.6318, 0.3264, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6727, 0.3520, 0.3515 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 200) }
```

Border

The CSS property to change the border of an element to Yxy 77.6727, 0.3520, 0.3515 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, 200) }
```

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

```
.border{ border-color:rgb(255, 222, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6727, 0.3520, 0.3515 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
222, 200) }
```

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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