

Converting Colors

$Y_{xy}(90.7891, 0.3282, 0.3405)$

Have a look what the booklet for
Yxy(90.7891, 0.3282, 0.3405)
contains.

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Color

Yxy(90.5338, 0.3281, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2E7
RGB	255, 242, 231
RGB Percent	100%, 95%, 91%
CMY	0.0000, 0.0510, 0.0940
CMYK	0.00, 0.05, 0.09, 0.00
HSL	27°, 100%, 95%
HSV	27°, 9%, 100%
XYZ	87.4165, 90.5338, 88.4823
YIQ	244.6330, 11.2790, -0.6650

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 251, 231
Decimal	16773863
CIE Lab	96.22, 2.55, 6.84
CIE LCh	96, 7.302, 69.579
Yxy	90.5338, 0.3281, 0.3398
Android (android.graphics.Color)	4294963943 (0xFFFFF2E7)
YUV	244.6330, -6.7211, 9.0919
Hunter-Lab	95.1493, -2.5178, 11.4688

Details

The Yxy color **90.5338, 0.3281, 0.3398** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.9192, 0.2981, 0.3180**, and the grayscale version is **91.0517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2187, 0.3317, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **81.2841, 0.3469, 0.3519**, and if you desaturate by 10%, it is **99.9992, 0.3127, 0.3290**.

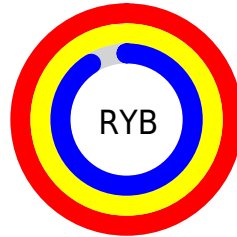
Distribution



Red (100%)

Green (95%)

Blue (91%)



Red (100%)

Yellow (98%)

Blue (91%)



Cyan (0%)

Magenta (5%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5338, 0.3281, 0.3398 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 90.5338, 0.3281, 0.3398 by changing the saturation by 10% instead.

 90.5338, 0.3281,
0.3398

 90.5338, 0.3281,
0.3398

529.7658, 0.3212,
0.3350

 68.4235, 0.3296,
0.3408


148.0796, 0.3258,
0.3382

 50.2423, 0.3315,
0.3421


184.2839, 0.3248,
0.3375

 35.6060, 0.3337,
0.3437


225.9550, 0.3240,
0.3370

 24.1300, 0.3367,
0.3457

273.4772, 0.3233,
0.3365

 15.4301, 0.3406,
0.3483

327.2350, 0.3227,
0.3361

 9.1218, 0.3459,
0.3519

387.6128, 0.3222,

 4.8207, 0.3538,

0.3357

0.3571

454.9949, 0.3217,
0.3353

■ 2.1425, 0.3666,
0.3653

■ 0.6883, 0.4275,
0.4107

■ 90.5338, 0.3281,
0.3398

■ 90.5338, 0.3281,
0.3398

■ 81.2841, 0.3469,
0.3519

99.9992, 0.3127,
0.3290

■ 72.8389, 0.3684,
0.3645

■ 65.1784, 0.3928,
0.3770

■ 58.2774, 0.4197,
0.3888

■ 52.1093, 0.4487,
0.3987

■ 46.6454, 0.4786,
0.4056

■ 41.8544, 0.5075,
0.4082

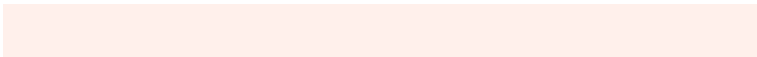
■ 37.7015, 0.5334,
0.4053

■ 34.1416, 0.5548,
0.3972

Harmonies

Analogous

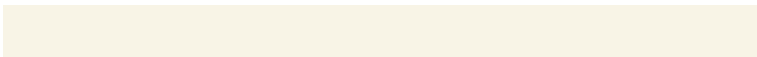
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5338, 0.3284, 0.3338



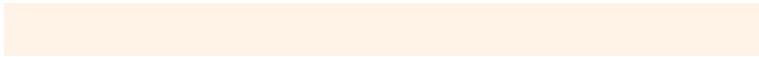
90.5338, 0.3281, 0.3398



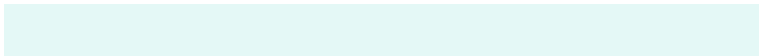
90.5338, 0.3236, 0.3430

Triad

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



90.5338, 0.3281, 0.3398



90.5338, 0.3011, 0.3313



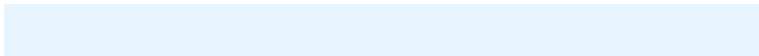
90.5338, 0.3091, 0.3160

Complementary

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



90.5338, 0.3281, 0.3398



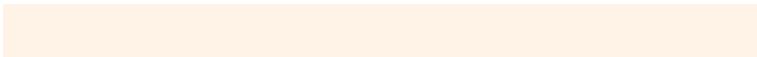
88.9192, 0.2981, 0.3180

Split Complementary

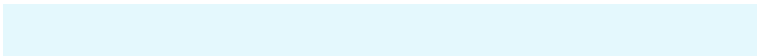
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5338, 0.3018, 0.3152



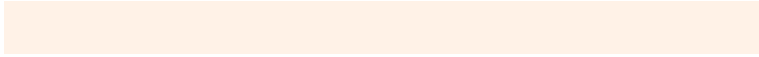
90.5338, 0.3281, 0.3398



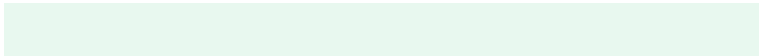
90.5338, 0.2973, 0.3239

Square

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



90.5338, 0.3281, 0.3398



90.5338, 0.3080, 0.3382



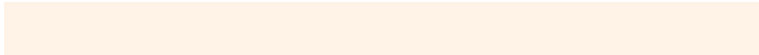
90.5338, 0.2976, 0.3181



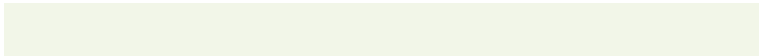
90.5338, 0.3174, 0.3201

Rectangle

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



90.5338, 0.3281, 0.3398



90.5338, 0.3189, 0.3431



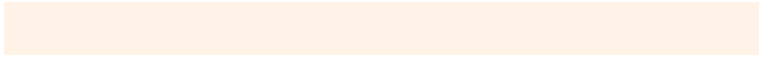
90.5338, 0.2976, 0.3181



90.5338, 0.3064, 0.3153

Sweetspot

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



90.5378, 0.3281, 0.3398



96.9011, 0.3174, 0.3324



84.9665, 0.3207, 0.3161



20.5663, 0.3187, 0.3333



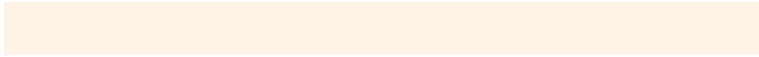
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



90.5378, 0.3281, 0.3398



89.0075, 0.3309, 0.3417



97.7847, 0.3269, 0.3511



19.3584, 0.3283, 0.3399



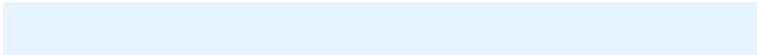
18.0283, 0.5533, 0.3989



1.9708, 0.5342, 0.4140

Inverse Universe

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



88.9192, 0.2981, 0.3180



87.1346, 0.2956, 0.3160



82.0485, 0.2980, 0.3059



19.0084, 0.2979, 0.3178



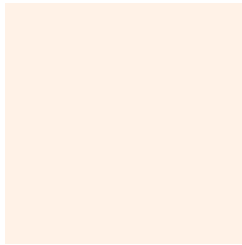
13.5961, 0.1810, 0.1716



1.5424, 0.1864, 0.1909

Previews

White Background



This preview shows how the Yxy color 90.5338, 0.3281, 0.3398 looks on a white background.

Color Contrast Check

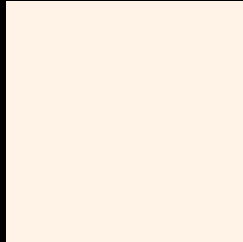
Large Text (above 18pt) WCAG AA × Fail

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 90.5338, 0.3281, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

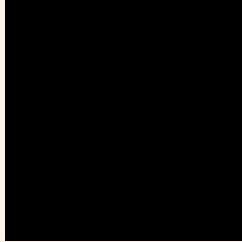
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.5338, 0.3281, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 90.5338, 0.3281, 0.3398.

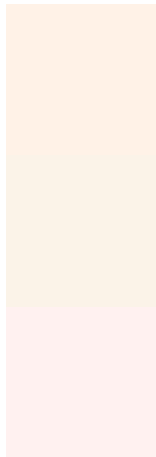


This preview shows how white text looks on a background with the Yxy color 90.5338, 0.3281, 0.3398.

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

90.5338, 0.3281, 0.3398

Protanopia

90.4366, 0.3247, 0.3399

Deuteranopia

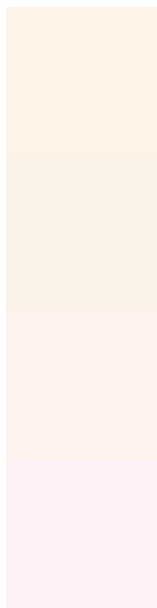
90.4619, 0.3226, 0.3300



Tritanopia

90.7359, 0.3140, 0.3156

Trichromacy



Original Color

90.5338, 0.3281, 0.3398

Protanomaly

90.6228, 0.3254, 0.3399

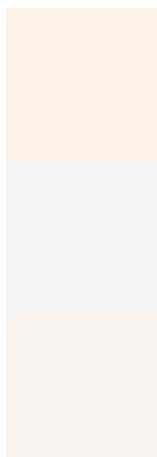
Deuteranomaly

90.2850, 0.3244, 0.3329

Tritanomaly

90.8244, 0.3188, 0.3242

Monochromacy



Original Color

90.5338, 0.3281, 0.3398

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

91.1324, 0.3184, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5338, 0.3281, 0.3398 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, 242, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 231)  
}
```

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, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 231) }
```

Border

The CSS property to change the border of an element to Yxy 90.5338, 0.3281, 0.3398 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, 242, 231) }
```

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

```
.border{ border-color:rgb(255, 242, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5338, 0.3281, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 231) }
```

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

```
.background{ background-color: rgb(255,  
242, 231) }
```

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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