

Converting Colors

$Y_{xy}(100.0000, 0.3626, 0.3422)$

Have a look what the booklet for
Yxy(100.0000, 0.3626, 0.3422)
contains.

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Color

Yxy(90.3103, 0.3306, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2E3
RGB	255, 242, 227
RGB Percent	100%, 95%, 89%
CMY	0.0002, 0.0509, 0.1098
CMYK	0.00, 0.05, 0.11, 0.00
HSL	32°, 100%, 95%
HSV	32°, 11%, 100%
XYZ	86.8429, 90.3103, 85.5295
YIQ	244.1770, 12.5630, -1.9090

Conversions

Conversions Part 2

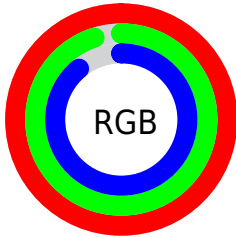
Format	Color
R _{YB}	251, 255, 227
Decimal	16773859
CIE Lab	96.13, 1.88, 8.78
CIE LCh	96, 8.982, 77.918
Yxy	90.3103, 0.3306, 0.3438
Android (android.graphics.Color)	4294963939 (0xFFFFF2E3)
YUV	244.1770, -8.4683, 9.4918
Hunter-Lab	95.0317, -3.1868, 13.1606

Details

The Yxy color **90.3103, 0.3306, 0.3438** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8265, 0.2956, 0.3137**, and the grayscale version is **90.6752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1021, 0.3341, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **82.2134, 0.3492, 0.3581**, and if you desaturate by 10%, it is **99.0763, 0.3142, 0.3303**.

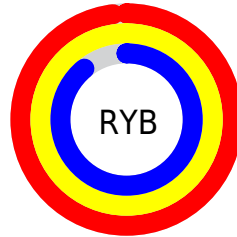
Distribution



Red (100%)

Green (95%)

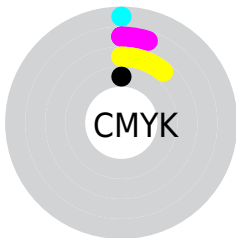
Blue (89%)



Red (98%)

Yellow (100%)

Blue (89%)

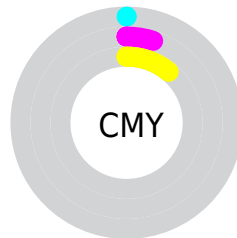


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3103, 0.3306, 0.3438 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 90.3103, 0.3306, 0.3438 by changing the saturation by 10% instead.

 90.3103, 0.3306,
0.3438

 90.3103, 0.3306,
0.3438


529.0397, 0.3226,
0.3372

 68.2380, 0.3324,
0.3452


147.7693, 0.3279,
0.3416

 50.0914, 0.3345,
0.3470


183.9249, 0.3268,
0.3407

 35.4860, 0.3372,
0.3491


225.5437, 0.3259,
0.3399

 24.0375, 0.3406,
0.3519

273.0101, 0.3251,
0.3393

 15.3615, 0.3451,
0.3555

326.7085, 0.3244,
0.3387

 9.0735, 0.3513,
0.3605

387.0233, 0.3237,

 4.7891, 0.3604,

0.3381

0.3677

454.3389, 0.3231,
0.3377

■ 2.1241, 0.3751,
0.3790

■ 0.6781, 0.4625,
0.4542

■ 90.3103, 0.3306,
0.3438

■ 90.3103, 0.3306,
0.3438

■ 82.2134, 0.3492,
0.3581

99.0763, 0.3142,
0.3303

■ 74.7560, 0.3701,
0.3727

99.9900, 0.3127,
0.3290

■ 67.9236, 0.3932,
0.3871

■ 61.6966, 0.4181,
0.4006

■ 56.0540, 0.4442,
0.4119

■ 50.9732, 0.4703,
0.4200

■ 46.4292, 0.4948,
0.4235

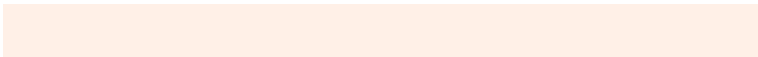
■ 42.3938, 0.5162,
0.4215

■ 39.1491, 0.5324,
0.4155

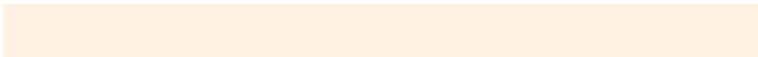
Harmonies

Analogous

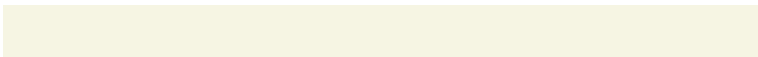
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3103, 0.3325, 0.3371



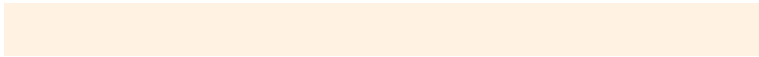
90.3103, 0.3306, 0.3438



90.3103, 0.3238, 0.3466

Triad

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



90.3103, 0.3306, 0.3438



90.3103, 0.2966, 0.3293



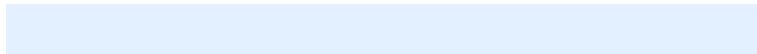
90.3103, 0.3110, 0.3141

Complementary

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



90.3103, 0.3306, 0.3438



85.8265, 0.2956, 0.3137

Split Complementary

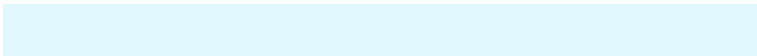
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3103, 0.3015, 0.3119



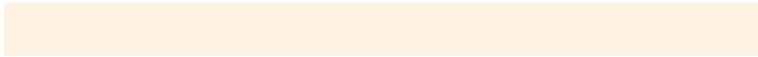
90.3103, 0.3306, 0.3438



90.3103, 0.2933, 0.3204

Square

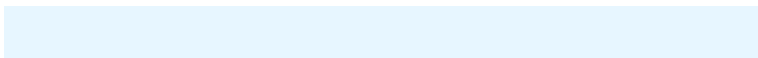
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.3103, 0.3306, 0.3438



90.3103, 0.3042, 0.3382



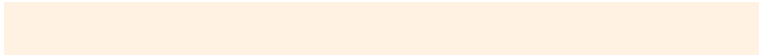
90.3103, 0.2951, 0.3141



90.3103, 0.3211, 0.3201

Rectangle

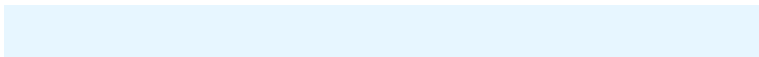
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.3103, 0.3306, 0.3438



90.3103, 0.3176, 0.3458



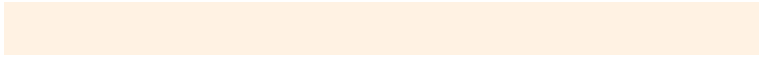
90.3103, 0.2951, 0.3141



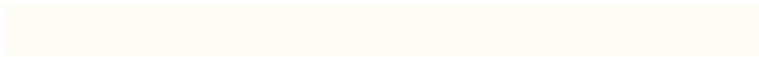
90.3103, 0.3077, 0.3129

Sweetspot

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



90.3143, 0.3306, 0.3438



97.2802, 0.3174, 0.3330



82.4845, 0.3237, 0.3162



20.6686, 0.3186, 0.3340



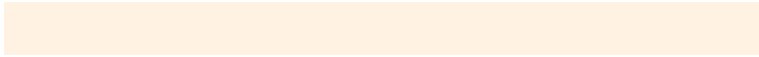
0.0000, 0.0000, 0.0000



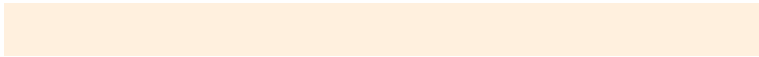
21.4041, 0.3127, 0.3290

Same Dimension

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



90.3143, 0.3306, 0.3438



88.6503, 0.3342, 0.3467



98.1066, 0.3285, 0.3562



19.6043, 0.3281, 0.3418



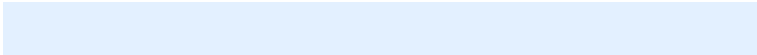
20.7679, 0.5301, 0.4173



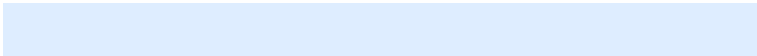
2.2408, 0.5140, 0.4301

Inverse Universe

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



85.8265, 0.2956, 0.3137



83.4002, 0.2923, 0.3107



78.6407, 0.2960, 0.3004



18.7624, 0.2979, 0.3159



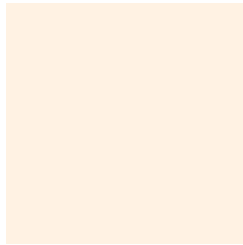
10.8276, 0.1736, 0.1451



1.2701, 0.1796, 0.1665

Previews

White Background



This preview shows how the Yxy color 90.3103, 0.3306, 0.3438 looks on a white background.

Color Contrast Check

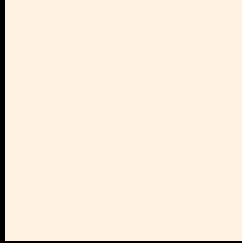
Large Text (above 18pt) WCAG AA × Fail

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 90.3103, 0.3306, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

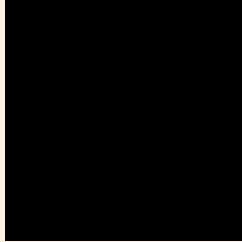
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.3103, 0.3306, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 90.3103, 0.3306, 0.3438.

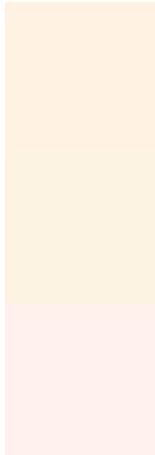


This preview shows how white text looks on a background with the Yxy color 90.3103, 0.3306, 0.3438.

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

90.3103, 0.3306, 0.3438

Protanopia

90.3427, 0.3285, 0.3448

Deuteranopia

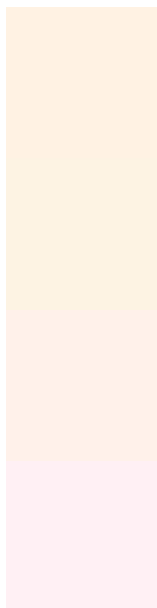
90.3436, 0.3238, 0.3320



Tritanopia

90.0849, 0.3147, 0.3155

Trichromacy



Original Color

90.3103, 0.3306, 0.3438

Protanomaly

90.5299, 0.3292, 0.3448

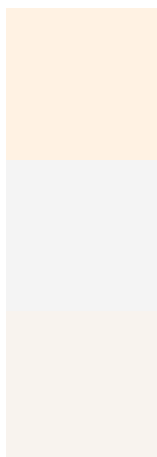
Deuteranomaly

90.1111, 0.3263, 0.3359

Tritanomaly

90.1118, 0.3202, 0.3251

Monochromacy



Original Color

90.3103, 0.3306, 0.3438

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.2307, 0.3190, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3103, 0.3306, 0.3438 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 227) }
```

Border

The CSS property to change the border of an element to Yxy 90.3103, 0.3306, 0.3438 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, 227) }
```

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

```
.border{ border-color:rgb(255, 242, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3103, 0.3306, 0.3438 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
242, 227) }
```

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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