

Converting Colors

$Y_{xy}(100.0000, 0.3550, 0.3337)$

Have a look what the booklet for
Yxy(100.0000, 0.3550, 0.3337)
contains.

Yxy(90.8204, 0.3250, 0.3349)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.8204, 0.3250, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2EC
RGB	255, 242, 236
RGB Percent	100%, 95%, 93%
CMY	0.0000, 0.0510, 0.0746
CMYK	0.00, 0.05, 0.07, 0.00
HSL	19°, 100%, 96%
HSV	19°, 7%, 100%
XYZ	88.1357, 90.8204, 92.2306
YIQ	245.2030, 9.6740, 0.8900

Conversions

Conversions Part 2

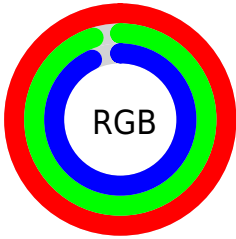
Format	Color
R _Y B	255, 245, 236
Decimal	16773868
CIE Lab	96.34, 3.37, 4.45
CIE LCh	96, 5.579, 52.870
Yxy	90.8204, 0.3250, 0.3349
Android (android.graphics.Color)	4294963948 (0xFFFFF2EC)
YUV	245.2030, -4.5371, 8.5920
Hunter-Lab	95.2997, -1.6931, 9.3293

Details

The Yxy color 90.8204, 0.3250, 0.3349 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.7929, 0.3012, 0.3230, and the grayscale version is 91.5128, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.4189, 0.3276, 0.3365 is the 20% darker color. If you saturate the color by 10%, you get 79.5550, 0.3441, 0.3433, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

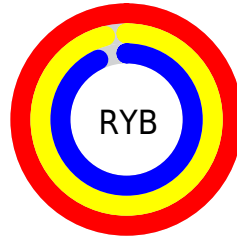
Distribution



Red (100%)

Green (95%)

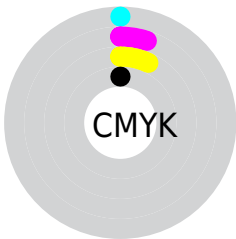
Blue (93%)



Red (100%)

Yellow (96%)

Blue (93%)

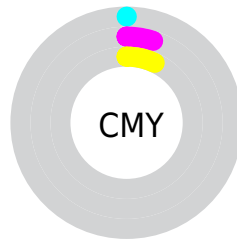


Cyan (0%)

Magenta (5%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8204, 0.3250, 0.3349 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 90.8204, 0.3250, 0.3349 by changing the saturation by 10% instead.


 90.8204, 0.3250,
0.3349

 90.8204, 0.3250,
0.3349


530.6960, 0.3195,
0.3323

 68.6613, 0.3262,
0.3355


148.4774, 0.3231,
0.3340

 50.4359, 0.3277,
0.3361


184.7442, 0.3224,
0.3337

 35.7599, 0.3295,
0.3370


226.4822, 0.3218,
0.3334

 24.2488, 0.3318,
0.3381

274.0759, 0.3212,
0.3331

 15.5183, 0.3349,
0.3395

327.9098, 0.3207,
0.3329

 9.1839, 0.3392,
0.3414

388.3682, 0.3203,

 4.8613, 0.3455,

0.3327

0.3441

455.8354, 0.3199,
0.3325

■ 2.1661, 0.3558,
0.3485

■ 0.7014, 0.3935,
0.3686

■ 90.8204, 0.3250,
0.3349

■ 90.8204, 0.3250,
0.3349

■ 79.5550, 0.3441,
0.3433

100.0000, 0.3127,
0.3290

■ 69.4537, 0.3667,
0.3521

■ 60.4784, 0.3932,
0.3609

■ 52.5887, 0.4236,
0.3692

■ 45.7414, 0.4577,
0.3761

■ 39.8906, 0.4941,
0.3805

■ 34.9861, 0.5305,
0.3811

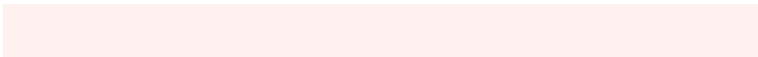
■ 30.9729, 0.5634,
0.3769

■ 27.7877, 0.5897,
0.3679

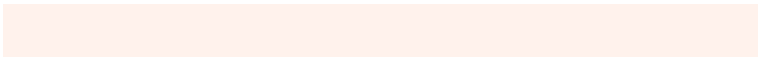
Harmonies

Analogous

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



90.8204, 0.3234, 0.3296



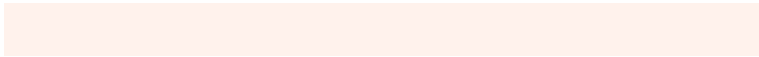
90.8204, 0.3250, 0.3349



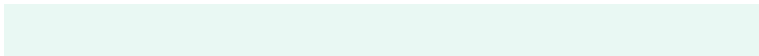
90.8204, 0.3233, 0.3387

Triad

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



90.8204, 0.3250, 0.3349



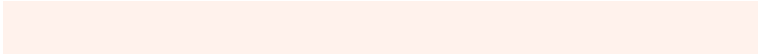
90.8204, 0.3065, 0.3338



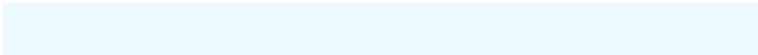
90.8204, 0.3067, 0.3184

Complementary

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



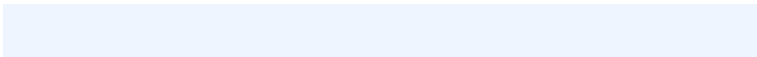
90.8204, 0.3250, 0.3349



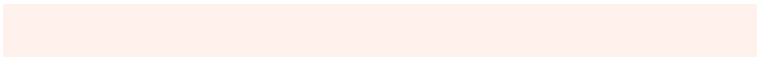
92.7929, 0.3012, 0.3230

Split Complementary

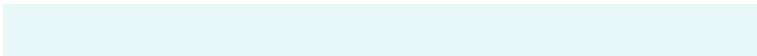
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8204, 0.3022, 0.3194



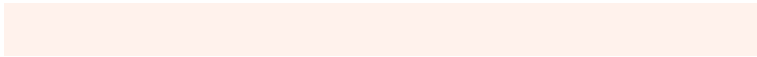
90.8204, 0.3250, 0.3349



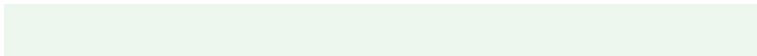
90.8204, 0.3022, 0.3283

Square

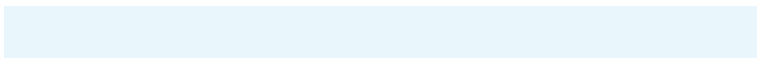
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.8204, 0.3250, 0.3349



90.8204, 0.3126, 0.3381



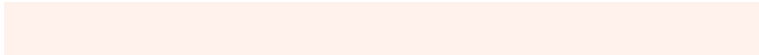
90.8204, 0.3006, 0.3230



90.8204, 0.3128, 0.3202

Rectangle

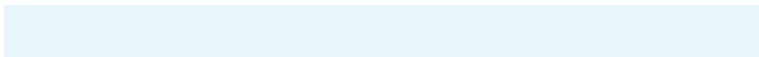
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.8204, 0.3250, 0.3349



90.8204, 0.3205, 0.3398



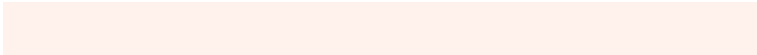
90.8204, 0.3006, 0.3230



90.8204, 0.3049, 0.3184

Sweetspot

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



90.8207, 0.3250, 0.3349



97.4714, 0.3159, 0.3306



88.1015, 0.3171, 0.3161



20.8895, 0.3157, 0.3305



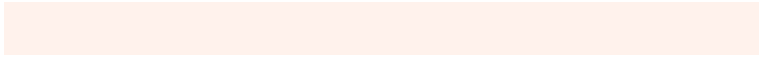
0.0000, 0.0000, 0.0000



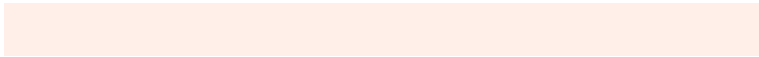
21.4041, 0.3127, 0.3290

Same Dimension

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



90.8207, 0.3250, 0.3349



89.0039, 0.3277, 0.3362



96.4331, 0.3242, 0.3437



18.9247, 0.3286, 0.3366



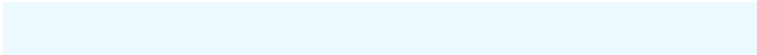
14.3934, 0.5925, 0.3677



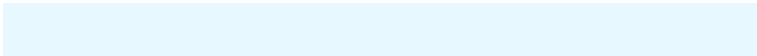
1.5879, 0.5705, 0.3852

Inverse Universe

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



92.7929, 0.3012, 0.3230



91.3591, 0.2987, 0.3217



87.2471, 0.3012, 0.3138



19.4552, 0.2980, 0.3213



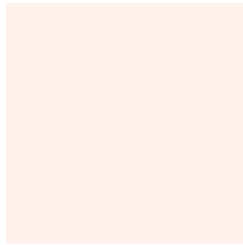
19.9376, 0.1950, 0.2220



2.1377, 0.1988, 0.2356

Previews

White Background



This preview shows how the Yxy color 90.8204, 0.3250, 0.3349 looks on a white background.

Color Contrast Check

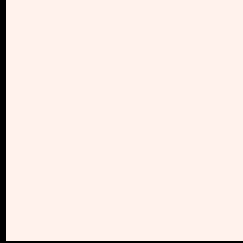
Large Text (above 18pt) WCAG AA × Fail

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 90.8204, 0.3250, 0.3349 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

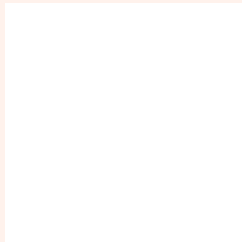
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8204, 0.3250, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 90.8204, 0.3250, 0.3349.

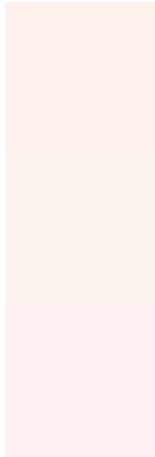


This preview shows how white text looks on a background with the Yxy color 90.8204, 0.3250, 0.3349.

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

90.8204, 0.3250, 0.3349

Protanopia

90.7248, 0.3216, 0.3349

Deuteranopia

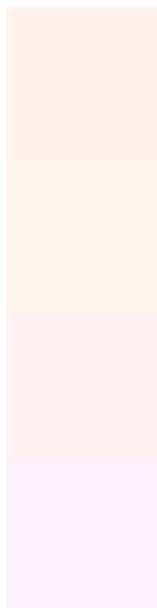
90.5814, 0.3213, 0.3281



Tritanopia

90.8002, 0.3134, 0.3146

Trichromacy



Original Color

90.8204, 0.3250, 0.3349

Protanomaly

90.9111, 0.3223, 0.3349

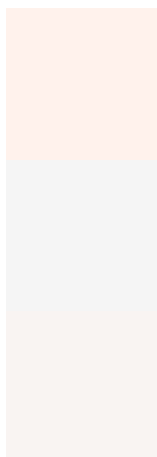
Deuteranomaly

90.4619, 0.3226, 0.3300

Tritanomaly

90.9479, 0.3176, 0.3223

Monochromacy



Original Color

90.8204, 0.3250, 0.3349

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

91.2519, 0.3172, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8204, 0.3250, 0.3349 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 236) }
```

Border

The CSS property to change the border of an element to Yxy 90.8204, 0.3250, 0.3349 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, 236) }
```

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

```
.border{ border-color:rgb(255, 242, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8204, 0.3250, 0.3349 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
242, 236) }
```

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