

Converting Colors

$Y_{xy}(90.2322, 0.3143, 0.3313)$

Have a look what the booklet for
Yxy(90.2322, 0.3143, 0.3313)
contains.

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Color

Yxy(90.3453, 0.3139, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	F4F4F2
RGB	244, 244, 242
RGB Percent	96%, 96%, 95%
CMY	0.0432, 0.0431, 0.0510
CMYK	0.00, 0.00, 0.01, 0.04
HSL	61°, 8%, 95%
HSV	61°, 1%, 96%
XYZ	85.6779, 90.3453, 96.9233
YIQ	243.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

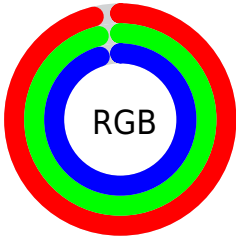
Format	Color
R_{YB}	242, 244, 242
Decimal	16053490
CIE Lab	96.14, -0.36, 0.95
CIE LCh	96, 1.019, 110.781
Yxy	90.3453, 0.3139, 0.3310
Android (android.graphics.Color)	4294243570 (0xFFFF4F4F2)
YUV	243.7720, -0.8736, 0.2000
Hunter-Lab	95.0501, -5.4384, 6.0767

Details

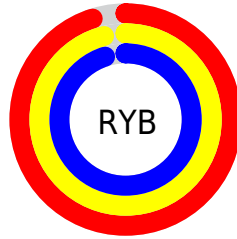
The Yxy color 90.3453, 0.3139, 0.3310 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.9192, 0.3115, 0.3270, and the grayscale version is 90.2813, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.2030, 0.3142, 0.3315 is the 20% darker color. If you saturate the color by 10%, you get 88.8880, 0.3285, 0.3558, and if you desaturate by 10%, it is 91.2502, 0.3065, 0.3183.

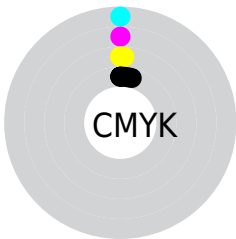
Distribution



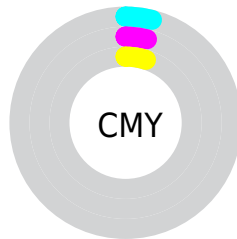
- Red (96%)
- Green (96%)
- Blue (95%)



- Red (95%)
- Yellow (96%)
- Blue (95%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3453, 0.3139, 0.3310 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 90.3453, 0.3139, 0.3310 by changing the saturation by 10% instead.

90.3453, 0.3139,
0.3310

90.3453, 0.3139,
0.3310

529.1535, 0.3134,
0.3301

68.2671, 0.3140,
0.3312

147.8179, 0.3137,
0.3307

50.1150, 0.3142,
0.3314

183.9811, 0.3137,
0.3306

35.5048, 0.3143,
0.3317

225.6081, 0.3136,
0.3305

24.0520, 0.3145,
0.3321

273.0833, 0.3135,
0.3304

15.3722, 0.3148,
0.3326

326.7910, 0.3135,
0.3303

9.0810, 0.3152,
0.3333

387.1156, 0.3134,

4.7941, 0.3158,

0.3302

454.4417, 0.3134,
0.3302

0.3343

■ 2.1269, 0.3168,
0.3359

■ 0.6797, 0.3201,
0.3415

■ 90.3453, 0.3139,
0.3310

■ 90.3453, 0.3139,
0.3310

■ 88.8880, 0.3285,
0.3558

■ 91.2502, 0.3065,
0.3183

■ 87.6149, 0.3434,
0.3811


■ 91.3421, 0.3068,
0.3183

■ 86.5219, 0.3582,
0.4064


■ 91.4343, 0.3072,
0.3183

■ 85.6001, 0.3723,
0.4306

■ 91.5267, 0.3075,
0.3183

 84.8399, 0.3852,
0.4529


 91.6194, 0.3078,
0.3183

 84.2309, 0.3962,
0.4721


 91.7123, 0.3081,
0.3183

 83.7614, 0.4049,
0.4875

 91.8055, 0.3085,
0.3183

 83.4180, 0.4109,
0.4986

 91.8990, 0.3088,
0.3183

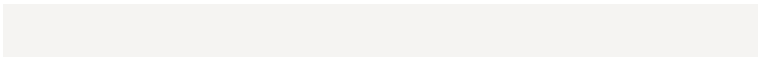
 83.1845, 0.4144,
0.5052

 91.9926, 0.3091,
0.3183

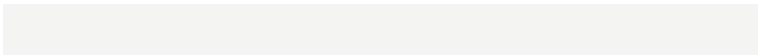
Harmonies

Analogous

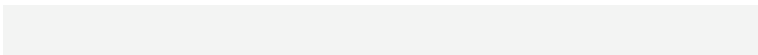
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3453, 0.3147, 0.3308



90.3453, 0.3139, 0.3310



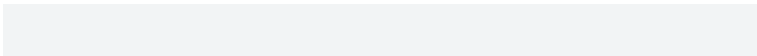
90.3453, 0.3128, 0.3307

Triad

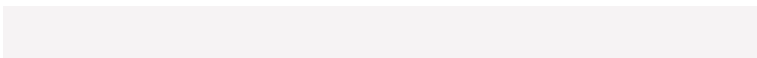
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3453, 0.3139, 0.3310



90.3453, 0.3105, 0.3280



90.3453, 0.3138, 0.3281

Complementary

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



90.3453, 0.3139, 0.3310



88.9192, 0.3115, 0.3270

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.



90.3453, 0.3127, 0.3273



90.3453, 0.3139, 0.3310



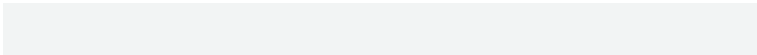
90.3453, 0.3108, 0.3273

Square

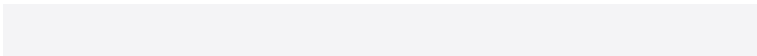
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



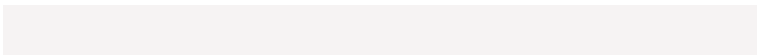
90.3453, 0.3139, 0.3310



90.3453, 0.3108, 0.3290



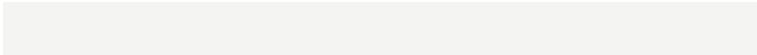
90.3453, 0.3116, 0.3271



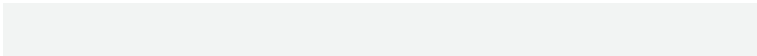
90.3453, 0.3146, 0.3291

Rectangle

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



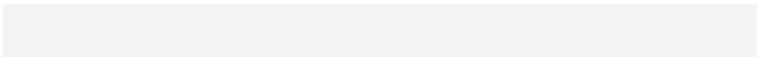
90.3453, 0.3139, 0.3310



90.3453, 0.3120, 0.3303



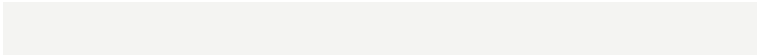
90.3453, 0.3116, 0.3271



90.3453, 0.3134, 0.3278

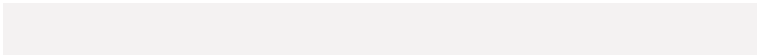
Sweetspot

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



90.3492, 0.3139, 0.3310

100.0000, 0.3127, 0.3290



89.1689, 0.3140, 0.3290



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

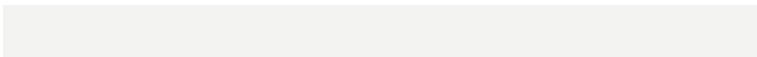
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3492, 0.3139, 0.3310



99.8267, 0.3142, 0.3314



90.1707, 0.3133, 0.3310



19.5673, 0.3141, 0.3313



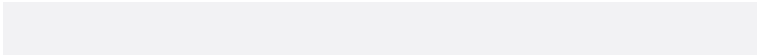
45.1562, 0.4157, 0.5081



3.9743, 0.4162, 0.5078

Inverse Universe

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



88.9192, 0.3115, 0.3270



97.9134, 0.3113, 0.3266



89.0967, 0.3122, 0.3270



19.2122, 0.3114, 0.3267



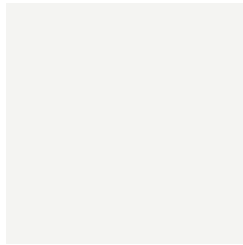
3.5767, 0.1506, 0.0604



0.3201, 0.1523, 0.0612

Previews

White Background



This preview shows how the Yxy color 90.3453, 0.3139, 0.3310 looks on a white background.

Color Contrast Check

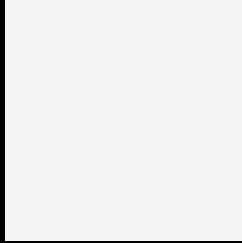
Large Text (above 18pt) WCAG AA × Fail

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 90.3453, 0.3139, 0.3310 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

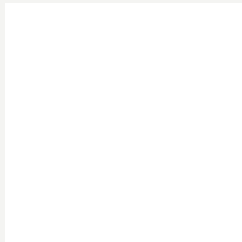
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3453, 0.3139, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 90.3453, 0.3139, 0.3310.

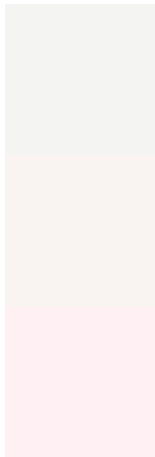


This preview shows how white text looks on a background with the Yxy color 90.3453, 0.3139, 0.3310.

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

90.3453, 0.3139, 0.3310

Protanopia

90.5918, 0.3178, 0.3310

Deuteranopia

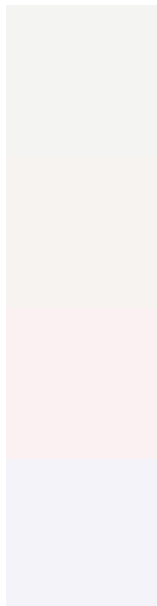
90.1118, 0.3202, 0.3251



Tritanopia

90.3171, 0.3075, 0.3163

Trichromacy



Original Color

90.3453, 0.3139, 0.3310

Protanomaly

90.2262, 0.3165, 0.3310

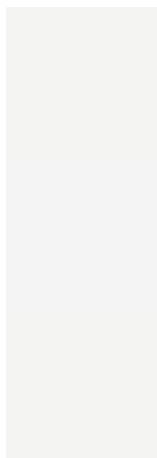
Deuteranomaly

89.8909, 0.3181, 0.3271

Tritanomaly

90.4158, 0.3098, 0.3221

Monochromacy



Original Color

90.3453, 0.3139, 0.3310

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.4055, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3453, 0.3139, 0.3310 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 $rgb(244, 244, 242)$ looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 242)  
}
```

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(244, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 242) }
```

Border

The CSS property to change the border of an element to Yxy 90.3453, 0.3139, 0.3310 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(244, 244, 242) }
```

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

```
.border{ border-color:rgb(244, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
242) }
```

Background

The CSS property to change the background color of an element to Yxy 90.3453, 0.3139, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 242) }
```

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

```
.background{ background-color: rgb(244,  
244, 242) }
```

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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