

Converting Colors

$Yxy(90.6475, 0.3174, 0.3415)$

Have a look what the booklet for
Yxy(90.6475, 0.3174, 0.3415)
contains.

Yxy(90.7293, 0.3173, 0.3410)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.7293, 0.3173, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	F2F6EA
RGB	242, 246, 234
RGB Percent	95%, 96%, 92%
CMY	0.0510, 0.0353, 0.0823
CMYK	0.02, 0.00, 0.05, 0.04
HSL	80°, 40%, 94%
HSV	80°, 5%, 96%
XYZ	84.4235, 90.7293, 90.9155
YIQ	243.4360, 1.4680, -4.5800

Conversions

Conversions Part 2

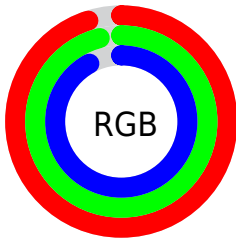
Format	Color
R_{YB}	234, 246, 238
Decimal	15922922
CIE Lab	96.30, -3.41, 5.29
CIE LCh	96, 6.293, 122.856
Yxy	90.7293, 0.3173, 0.3410
Android (android.graphics.Color)	4294113002 (0xFFFF2F6EA)
YUV	243.4360, -4.6519, -1.2594
Hunter-Lab	95.2519, -8.4831, 10.0856

Details

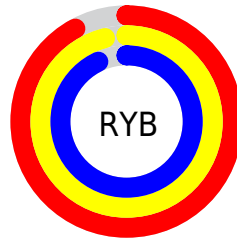
The Yxy color 90.7293, 0.3173, 0.3410 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 83.6923, 0.3080, 0.3169, and the grayscale version is 90.0319, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.4804, 0.3186, 0.3444 is the 20% darker color. If you saturate the color by 10%, you get 87.9897, 0.3268, 0.3669, and if you desaturate by 10%, it is 93.5037, 0.3101, 0.3203.

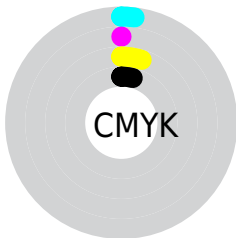
Distribution



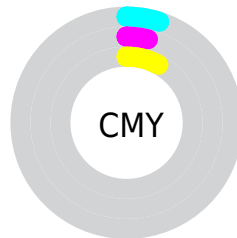
- Red (95%)
- Green (96%)
- Blue (92%)



- Red (92%)
- Yellow (96%)
- Blue (93%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)




- Cyan (5%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.7293, 0.3173, 0.3410 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 90.7293, 0.3173, 0.3410 by changing the saturation by 10% instead.


 90.7293, 0.3173,
0.3410

 90.7293, 0.3173,
0.3410


530.4004, 0.3153,
0.3356

 68.5857, 0.3177,
0.3422


148.3510, 0.3166,
0.3392

 50.3744, 0.3183,
0.3436


184.5979, 0.3163,
0.3385

 35.7109, 0.3189,
0.3454


226.3146, 0.3161,
0.3378

 24.2110, 0.3198,
0.3477

273.8857, 0.3159,
0.3373

 15.4902, 0.3209,
0.3508

327.6954, 0.3157,
0.3368

 9.1642, 0.3224,
0.3551

388.1281, 0.3156,

 4.8484, 0.3246,

0.3364

0.3614

455.5683, 0.3154,
0.3360

■ 2.1586, 0.3280,
0.3718

■ 0.6973, 0.3477,
0.4185

■ 90.7293, 0.3173,
0.3410

■ 90.7293, 0.3173,
0.3410

■ 87.9897, 0.3268,
0.3669

■ 93.5037, 0.3101,
0.3203

■ 85.4993, 0.3362,
0.3943

■ 94.3965, 0.3131,
0.3204

■ 83.2527, 0.3451,
0.4224

■ 81.2397, 0.3530,
0.4504

■ 79.4493, 0.3594,
0.4771

■ 77.8694, 0.3639,
0.5013

■ 76.4865, 0.3660,
0.5217

■ 75.2849, 0.3655,
0.5374

■ 74.2458, 0.3626,
0.5480

Harmonies

Analogous

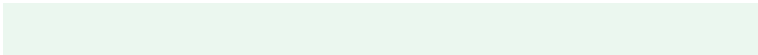
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7293, 0.3232, 0.3407



90.7293, 0.3173, 0.3410



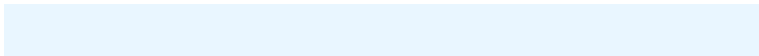
90.7293, 0.3102, 0.3380

Triad

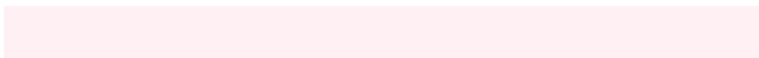
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7293, 0.3173, 0.3410



90.7293, 0.2993, 0.3205



90.7293, 0.3217, 0.3256

Complementary

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



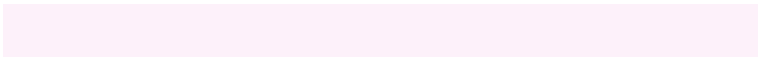
90.7293, 0.3173, 0.3410



83.6923, 0.3080, 0.3169

Split Complementary

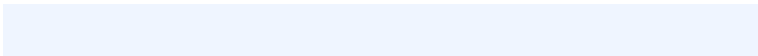
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7293, 0.3151, 0.3203



90.7293, 0.3173, 0.3410



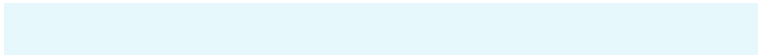
90.7293, 0.3023, 0.3174

Square

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



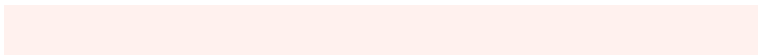
90.7293, 0.3173, 0.3410



90.7293, 0.2998, 0.3260



90.7293, 0.3080, 0.3173



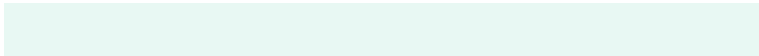
90.7293, 0.3258, 0.3318

Rectangle

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



90.7293, 0.3173, 0.3410



90.7293, 0.3058, 0.3345



90.7293, 0.3080, 0.3173



90.7293, 0.3197, 0.3236

Sweetspot

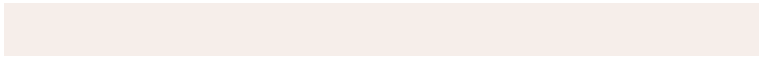
The Sweet Spot groups the original color and five complimentary colors.



90.7332, 0.3173, 0.3410



99.6751, 0.3137, 0.3314



86.6926, 0.3205, 0.3330



21.3380, 0.3136, 0.3313



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.



90.7332, 0.3173, 0.3410



98.0939, 0.3184, 0.3439



89.6933, 0.3134, 0.3411



19.1880, 0.3190, 0.3455



39.4484, 0.3615, 0.5512



3.5233, 0.3688, 0.5454

Inverse Universe

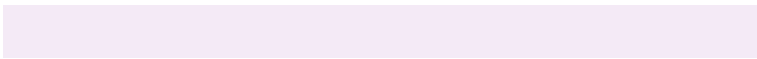
The Inverse Universe completely reimagines the original color for something new.



83.6923, 0.3080, 0.3169



88.7452, 0.3068, 0.3140



84.7439, 0.3119, 0.3171



17.1732, 0.3062, 0.3124



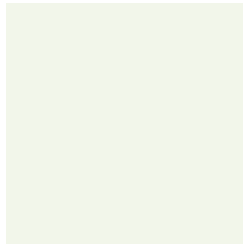
4.5883, 0.1747, 0.0736



0.4573, 0.1882, 0.0811

Previews

White Background



This preview shows how the Yxy color 90.7293, 0.3173, 0.3410 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 90.7293, 0.3173, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

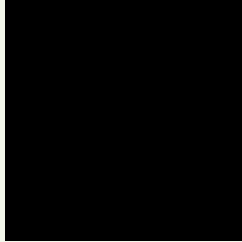
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

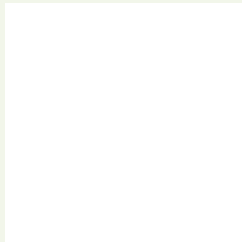
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7293, 0.3173, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 90.7293, 0.3173, 0.3410.

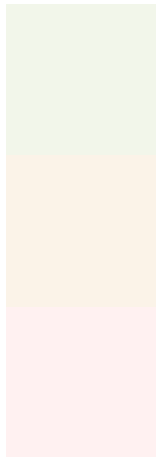


This preview shows how white text looks on a background with the Yxy color 90.7293, 0.3173, 0.3410.

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

90.7293, 0.3173, 0.3410

Protanopia

90.4366, 0.3247, 0.3399

Deuteranopia

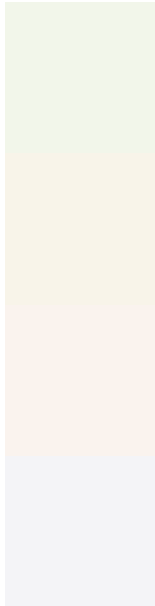
90.5215, 0.3219, 0.3290



Tritanopia

90.7337, 0.3069, 0.3173

Trichromacy



Original Color

90.7293, 0.3173, 0.3410

Protanomaly

90.5410, 0.3220, 0.3399

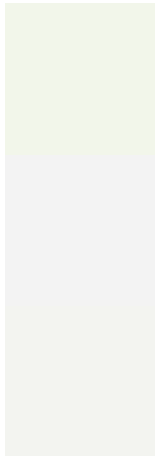
Deuteranomaly

90.5982, 0.3203, 0.3339

Tritanomaly

90.6499, 0.3109, 0.3260

Monochromacy



Original Color

90.7293, 0.3173, 0.3410

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.0473, 0.3145, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7293, 0.3173, 0.3410 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(242, 246, 234)` looks like.

```
.text, #text, p{  
    color:rgb(242, 246, 234)  
}
```

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(242, 246, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 246, 234) }
```

Border

The CSS property to change the border of an element to Yxy 90.7293, 0.3173, 0.3410 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(242, 246, 234) }
```

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

```
.border{ border-color:rgb(242, 246, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 246, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 246, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 246, 234);  
box-shadow:4px 4px 4px 4px rgb(242, 246,  
234) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.7293, 0.3173, 0.3410$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 246, 234) }
```

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

```
.background{ background-color: rgb(242,  
246, 234) }
```

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