

Converting Colors

$Y_{xy}(90.7429, 0.3112, 0.3293)$

Have a look what the booklet for
Yxy(90.7429, 0.3112, 0.3293)
contains.

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Color

Yxy(90.7746, 0.3108, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	F2F5F5
RGB	242, 245, 245
RGB Percent	95%, 96%, 96%
CMY	0.0509, 0.0392, 0.0392
CMYK	0.01, 0.00, 0.00, 0.04
HSL	180°, 13%, 95%
HSV	180°, 1%, 96%
XYZ	85.7530, 90.7746, 99.3830
YIQ	244.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

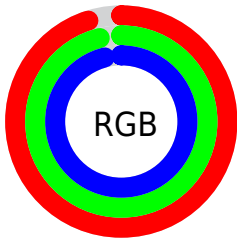
Format	Color
R _Y B	242, 244, 245
Decimal	15922677
CIE Lab	96.32, -0.98, -0.36
CIE LCh	96, 1.047, 199.832
Yxy	90.7746, 0.3108, 0.3290
Android (android.graphics.Color)	4294112757 (0xFF2F5F5)
YUV	244.1030, 0.4422, -1.8443
Hunter-Lab	95.2757, -6.0733, 4.8470

Details

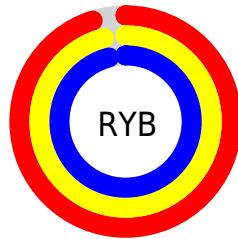
The Yxy color $90.7746, 0.3108, 0.3290$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $89.3350, 0.3147, 0.3290$, and the grayscale version is $90.5543, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $50.5084, 0.3103, 0.3290$ is the 20% darker color. If you saturate the color by 10%, you get $86.7253, 0.2955, 0.3290$, and if you desaturate by 10%, it is $93.1637, 0.3192, 0.3290$.

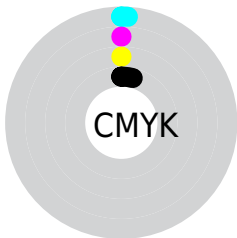
Distribution



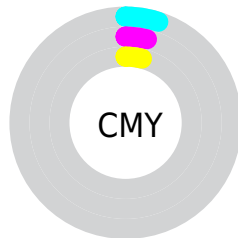
- Red (95%)
- Green (96%)
- Blue (96%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7746, 0.3108, 0.3290 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 90.7746, 0.3108, 0.3290 by changing the saturation by 10% instead.


 90.7746, 0.3108,
0.3290

 90.7746, 0.3108,
0.3290


530.5474, 0.3117,
0.3290

 68.6233, 0.3106,
0.3290

148.4139, 0.3111,
0.3290

 50.4050, 0.3104,
0.3290


184.6706, 0.3112,
0.3290

 35.7353, 0.3101,
0.3290


226.3980, 0.3113,
0.3290

 24.2298, 0.3097,
0.3290

273.9803, 0.3114,
0.3290

 15.5042, 0.3093,
0.3290

327.8020, 0.3115,
0.3290

 9.1740, 0.3086,
0.3290

388.2475, 0.3115,

 4.8548, 0.3076,

0.3290

455.7012, 0.3116,
0.3290

0.3290

■ 2.1623, 0.3060,
0.3289

■ 0.6993, 0.3013,
0.3289

■ 90.7746, 0.3108,
0.3290

■ 90.7746, 0.3108,
0.3290

■ 86.7253, 0.2955,
0.3290

■ 93.1637, 0.3192,
0.3290

■ 83.2299, 0.2811,
0.3291


■ 93.1679, 0.3191,
0.3289


■ 80.2679, 0.2680,
0.3291


■ 93.1720, 0.3191,
0.3288


■ 77.8130, 0.2563,
0.3292


■ 93.1762, 0.3190,
0.3288


 75.8368, 0.2464,
0.3292


 93.1803, 0.3190,
0.3287

 74.3080, 0.2384,
0.3293

 93.1845, 0.3189,
0.3286


 73.1916, 0.2323,
0.3294

 93.1886, 0.3189,
0.3286

 72.4475, 0.2282,
0.3294

 93.1928, 0.3189,
0.3285

 72.0274, 0.2258,
0.3295

 93.1969, 0.3188,
0.3284

Harmonies

Analogous

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



90.7746, 0.3117, 0.3300



90.7746, 0.3108, 0.3290



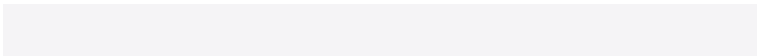
90.7746, 0.3104, 0.3280

Triad

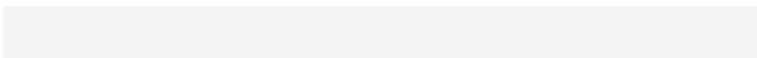
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7746, 0.3108, 0.3290



90.7746, 0.3126, 0.3273



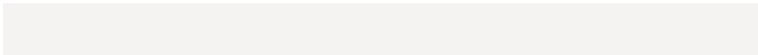
90.7746, 0.3148, 0.3308

Complementary

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



90.7746, 0.3108, 0.3290



89.3350, 0.3147, 0.3290

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.



90.7746, 0.3150, 0.3301



90.7746, 0.3108, 0.3290



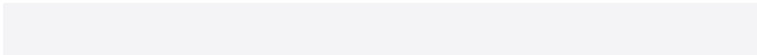
90.7746, 0.3138, 0.3280

Square

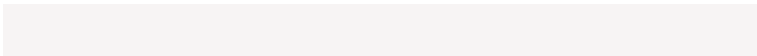
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



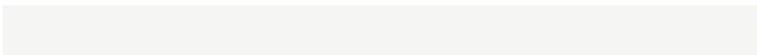
90.7746, 0.3108, 0.3290



90.7746, 0.3115, 0.3270



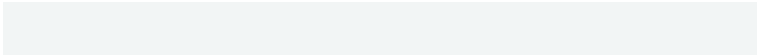
90.7746, 0.3147, 0.3290



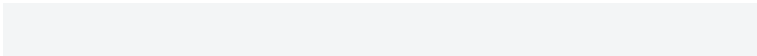
90.7746, 0.3140, 0.3311

Rectangle

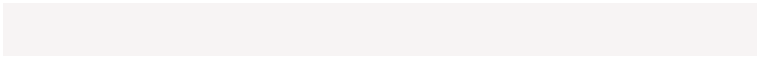
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



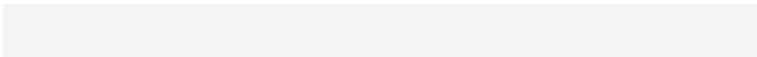
90.7746, 0.3108, 0.3290



90.7746, 0.3105, 0.3275



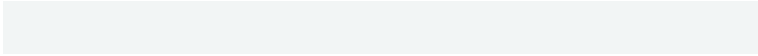
90.7746, 0.3147, 0.3290



90.7746, 0.3149, 0.3306

Sweetspot

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



90.7785, 0.3108, 0.3290

100.0000, 0.3127, 0.3290



90.6064, 0.3126, 0.3320



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

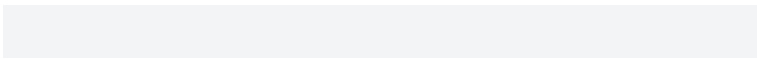
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7785, 0.3108, 0.3290



99.5191, 0.3111, 0.3290



89.9066, 0.3109, 0.3276



19.5102, 0.3112, 0.3290



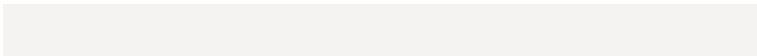
38.7107, 0.2249, 0.3296



3.4025, 0.2249, 0.3295

Inverse Universe

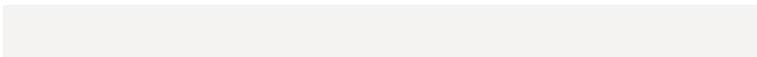
The Inverse Universe completely reimagines the original color for something new.



89.3350, 0.3147, 0.3290



98.2211, 0.3143, 0.3290



90.1995, 0.3146, 0.3304



19.2693, 0.3142, 0.3290



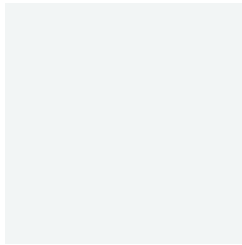
10.4590, 0.6398, 0.3298



0.9195, 0.6390, 0.3294

Previews

White Background



This preview shows how the Yxy color 90.7746, 0.3108, 0.3290 looks on a white background.

Color Contrast Check

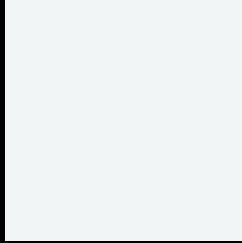
Large Text (above 18pt) WCAG AA × Fail

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 90.7746, 0.3108, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

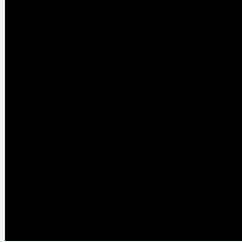
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

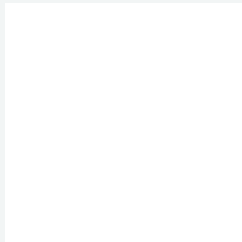
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7746, 0.3108, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 90.7746, 0.3108, 0.3290.

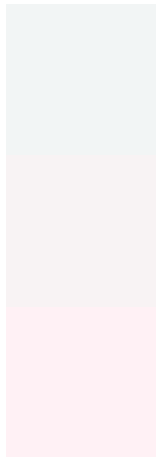


This preview shows how white text looks on a background with the Yxy color 90.7746, 0.3108, 0.3290.

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

90.7746, 0.3108, 0.3290

Protanopia

90.5893, 0.3154, 0.3280

Deuteranopia

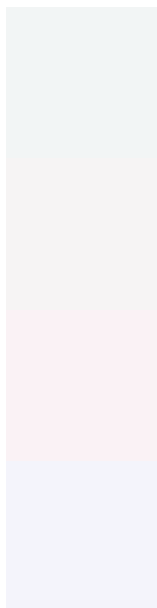
90.7632, 0.3195, 0.3251



Tritanopia

90.7337, 0.3069, 0.3173

Trichromacy



Original Color

90.7746, 0.3108, 0.3290

Protanomaly

90.8259, 0.3140, 0.3290

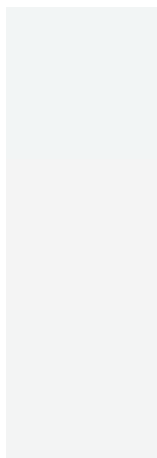
Deuteranomaly

90.4208, 0.3161, 0.3261

Tritanomaly

90.8995, 0.3086, 0.3221

Monochromacy



Original Color

90.7746, 0.3108, 0.3290

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.2877, 0.3121, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7746, 0.3108, 0.3290 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, 245, 245)` looks like.

```
.text, #text, p{  
    color:rgb(242, 245, 245)  
}
```

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, 245, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 245, 245) }
```

Border

The CSS property to change the border of an element to Yxy 90.7746, 0.3108, 0.3290 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, 245, 245) }
```

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

```
.border{ border-color:rgb(242, 245, 245) }
```

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

Here you see how a box with a 4 pixel rgb(242, 245, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 245, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 245, 245);  
box-shadow:4px 4px 4px 4px rgb(242, 245,  
245) }
```

Background

The CSS property to change the background color of an element to Yxy 90.7746, 0.3108, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 245, 245) }
```

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

```
.background{ background-color: rgb(242,  
245, 245) }
```

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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