

Converting Colors

$Yxy(86.9862, 0.3088, 0.3277)$

Have a look what the booklet for
Yxy(86.9862, 0.3088, 0.3277)
contains.

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Color

Yxy(87.1543, 0.3089, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	ECF1F2
RGB	236, 241, 242
RGB Percent	93%, 95%, 95%
CMY	0.0744, 0.0549, 0.0511
CMYK	0.02, 0.00, 0.00, 0.05
HSL	190°, 19%, 94%
HSV	190°, 2%, 95%
XYZ	82.0792, 87.1543, 96.4809
YIQ	239.6190, -3.3010, -0.7490

Conversions

Conversions Part 2

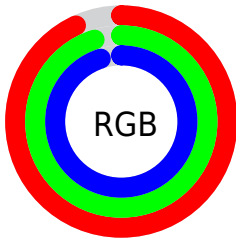
Format	Color
R _Y B	236, 239, 242
Decimal	15528434
CIE Lab	94.80, -1.46, -1.06
CIE LCh	95, 1.804, 215.880
Yxy	87.1543, 0.3089, 0.3280
Android (android.graphics.Color)	4293718514 (0xFFECEF1F2)
YUV	239.6190, 1.1738, -3.1739
Hunter-Lab	93.3565, -6.4363, 4.0752

Details

The Yxy color **87.1543, 0.3089, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.5056, 0.3166, 0.3300**, and the grayscale version is **86.8216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9464, 0.3078, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **80.9621, 0.2935, 0.3237**, and if you desaturate by 10%, it is **92.9609, 0.3210, 0.3319**.

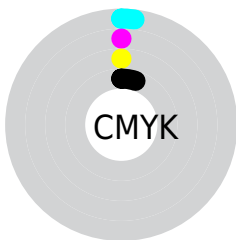
Distribution



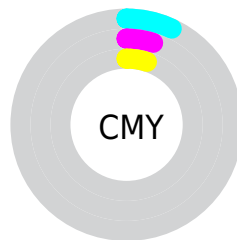
- Red (93%)
- Green (95%)
- Blue (95%)



- Red (93%)
- Yellow (94%)
- Blue (95%)



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



- Cyan (7%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1543, 0.3089, 0.3280 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 87.1543, 0.3089, 0.3280 by changing the saturation by 10% instead.

87.1543, 0.3089,
0.3280

87.1543, 0.3089,
0.3280

518.7298, 0.3106,
0.3285

65.6229, 0.3085,
0.3279

143.3792, 0.3095,
0.3282

47.9663, 0.3081,
0.3278

178.8415, 0.3097,
0.3282

33.8002, 0.3075,
0.3276

219.7162, 0.3099,
0.3283

22.7402, 0.3067,
0.3274

266.3877, 0.3101,
0.3283

14.4018, 0.3058,
0.3271

319.2404, 0.3102,
0.3284

8.4006, 0.3044,
0.3268

378.6587, 0.3104,

4.3524, 0.3024,

0.3284

0.3262

445.0270, 0.3105,
0.3284

■ 1.8726, 0.2990,
0.3252

■ 0.5318, 0.2839,
0.3214

■ 87.1543, 0.3089,
0.3280

■ 87.1543, 0.3089,
0.3280

■ 80.9621, 0.2935,
0.3237

■ 92.9609, 0.3210,
0.3319

■ 75.3560, 0.2786,
0.3190

■ 95.3941, 0.3207,
0.3358

■ 70.3156, 0.2645,
0.3139

■ 97.8795, 0.3204,
0.3396

■ 65.8148, 0.2515,
0.3085

■ 99.1894, 0.3203,
0.3415

■ 61.8254, 0.2399,
0.3028

■ 58.3163, 0.2300,
0.2970

■ 55.2526, 0.2220,
0.2911

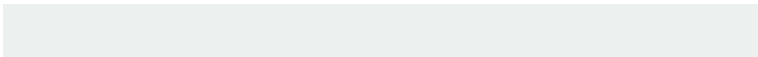
■ 52.5945, 0.2160,
0.2851

■ 50.2935, 0.2118,
0.2792

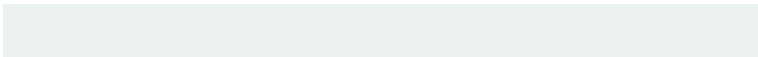
Harmonies

Analogous

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



87.1543, 0.3100, 0.3298



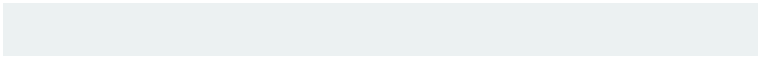
87.1543, 0.3089, 0.3280



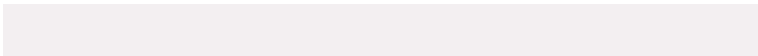
87.1543, 0.3088, 0.3264

Triad

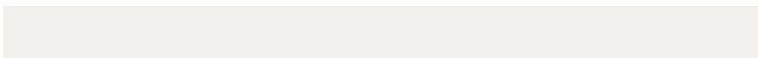
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1543, 0.3089, 0.3280



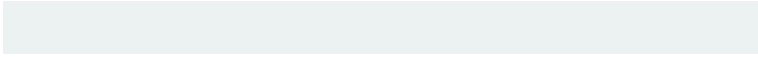
87.1543, 0.3136, 0.3266



87.1543, 0.3156, 0.3325

Complementary

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



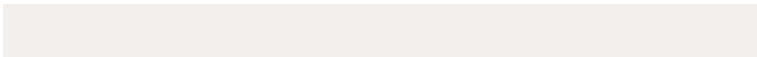
87.1543, 0.3089, 0.3280



85.5056, 0.3166, 0.3300

Split Complementary

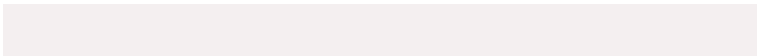
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1543, 0.3166, 0.3316



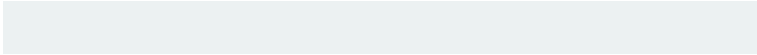
87.1543, 0.3089, 0.3280



87.1543, 0.3155, 0.3282

Square

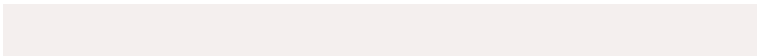
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



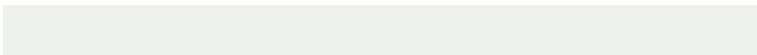
87.1543, 0.3089, 0.3280



87.1543, 0.3116, 0.3256



87.1543, 0.3166, 0.3300



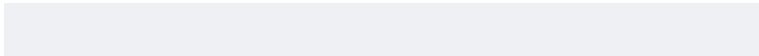
87.1543, 0.3139, 0.3324

Rectangle

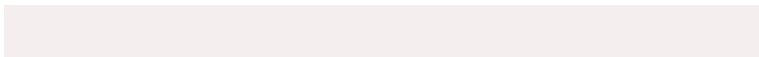
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



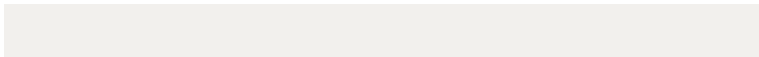
87.1543, 0.3089, 0.3280



87.1543, 0.3094, 0.3258



87.1543, 0.3166, 0.3300



87.1543, 0.3161, 0.3323

Sweetspot

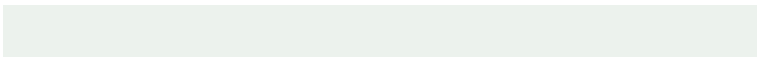
The Sweet Spot groups the original color and five complimentary colors.



87.1580, 0.3089, 0.3280



99.2523, 0.3112, 0.3286



87.4388, 0.3119, 0.3341



21.2520, 0.3112, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

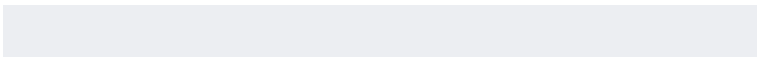
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1580, 0.3089, 0.3280



97.7779, 0.3080, 0.3278



85.4631, 0.3090, 0.3251



18.2094, 0.3068, 0.3275



26.3608, 0.2099, 0.2758



2.3096, 0.2121, 0.2835

Inverse Universe

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



85.2340, 0.3136, 0.3240



95.1350, 0.3138, 0.3229



87.1903, 0.3165, 0.3329



17.5900, 0.3141, 0.3213



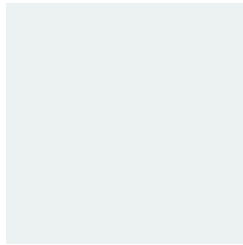
12.4545, 0.3674, 0.1798



1.0479, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 87.1543, 0.3089, 0.3280 looks on a white background.

Color Contrast Check

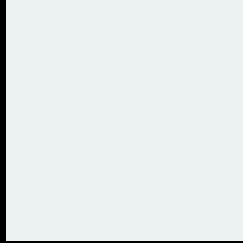
Large Text (above 18pt) WCAG AA × Fail

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 87.1543, 0.3089, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

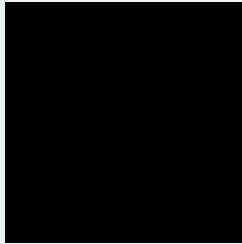
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

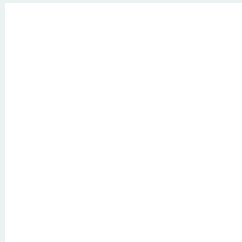
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1543, 0.3089, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 87.1543, 0.3089, 0.3280.

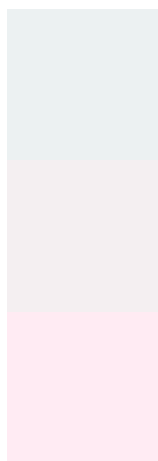


This preview shows how white text looks on a background with the Yxy color 87.1543, 0.3089, 0.3280.

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

87.1543, 0.3089, 0.3280

Protanopia

87.3170, 0.3148, 0.3270

Deuteranopia

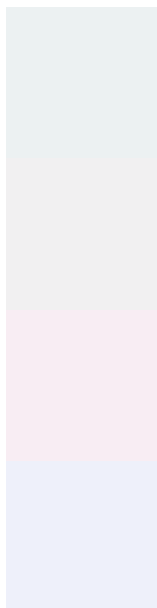
87.1477, 0.3211, 0.3212



Tritanopia

87.3037, 0.3031, 0.3131

Trichromacy



Original Color

87.1543, 0.3089, 0.3280

Protanomaly

87.3718, 0.3128, 0.3280

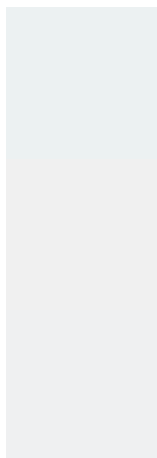
Deuteranomaly

86.9959, 0.3163, 0.3231

Tritanomaly

87.3994, 0.3054, 0.3190

Monochromacy



Original Color

87.1543, 0.3089, 0.3280

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.0218, 0.3115, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1543, 0.3089, 0.3280 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(236, 241, 242)` looks like.

```
.text, #text, p{  
    color:rgb(236, 241, 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(236, 241, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 241, 242) }
```

Border

The CSS property to change the border of an element to Yxy 87.1543, 0.3089, 0.3280 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(236, 241, 242) }
```

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

```
.border{ border-color:rgb(236, 241, 242) }
```

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

Here you see how a box with a 4 pixel rgb(236, 241, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 241, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 241, 242);  
box-shadow:4px 4px 4px 4px rgb(236, 241,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1543, 0.3089, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 241, 242) }
```

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

```
.background{ background-color: rgb(236,  
241, 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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