

Converting Colors

$Y_{xy}(87.9027, 0.3142, 0.3328)$

Have a look what the booklet for
Yxy(87.9027, 0.3142, 0.3328)
contains.

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Color

Yxy(87.6089, 0.3139, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	F0F1EE
RGB	240, 241, 238
RGB Percent	94%, 95%, 93%
CMY	0.0587, 0.0549, 0.0666
CMYK	0.00, 0.00, 0.01, 0.05
HSL	79°, 10%, 94%
HSV	79°, 1%, 95%
XYZ	82.8326, 87.6089, 93.4407
YIQ	240.3590, 0.3670, -1.1450

Conversions

Conversions Part 2

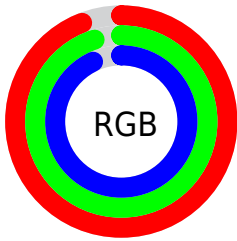
Format	Color
R _Y B	238, 241, 239
Decimal	15790574
CIE Lab	95.00, -0.84, 1.31
CIE LCh	95, 1.558, 122.553
Yxy	87.6089, 0.3139, 0.3320
Android (android.graphics.Color)	4293980654 (0xFFFF0F1EE)
YUV	240.3590, -1.1630, -0.3148
Hunter-Lab	93.5996, -5.8326, 6.3304

Details

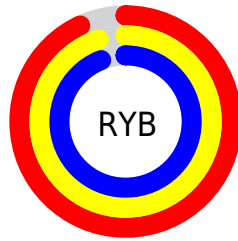
The Yxy color **87.6089, 0.3139, 0.3320** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.8519, 0.3115, 0.3260**, and the grayscale version is **87.4488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2657, 0.3142, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **84.9610, 0.3236, 0.3573**, and if you desaturate by 10%, it is **90.0454, 0.3087, 0.3154**.

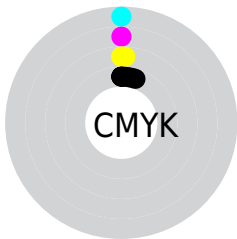
Distribution



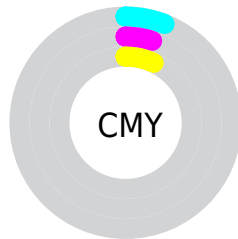
- Red (94%)
- Green (95%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6089, 0.3139, 0.3320 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 87.6089, 0.3139, 0.3320 by changing the saturation by 10% instead.

87.6089, 0.3139,
0.3320

87.6089, 0.3139,
0.3320

520.2216, 0.3134,
0.3307

65.9992, 0.3140,
0.3323

144.0125, 0.3137,
0.3315

48.2718, 0.3142,
0.3327

179.5753, 0.3137,
0.3314

34.0422, 0.3143,
0.3331

220.5578, 0.3136,
0.3312

22.9260, 0.3146,
0.3337

267.3446, 0.3135,
0.3311

14.5389, 0.3149,
0.3345

320.3200, 0.3135,
0.3310

8.4964, 0.3153,
0.3355

379.8683, 0.3134,

4.4142, 0.3159,

0.3308

0.3371

446.3741, 0.3134,
0.3308

■ 1.9078, 0.3169,
0.3398

■ 0.5531, 0.3221,
0.3526

■ 87.6089, 0.3139,
0.3320

■ 87.6089, 0.3139,
0.3320

■ 84.9610, 0.3236,
0.3573

■ 90.0454, 0.3087,
0.3154

■ 82.5488, 0.3333,
0.3840

■ 91.3876, 0.3133,
0.3156

■ 80.3674, 0.3426,
0.4118

■ 78.4073, 0.3512,
0.4398

■ 76.6586, 0.3584,
0.4669

■ 75.1103, 0.3639,
0.4919

■ 73.7502, 0.3672,
0.5135

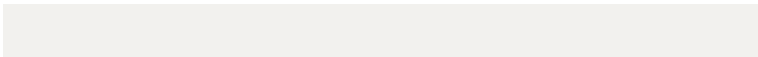
■ 72.5644, 0.3679,
0.5308

■ 71.5364, 0.3660,
0.5430

Harmonies

Analogous

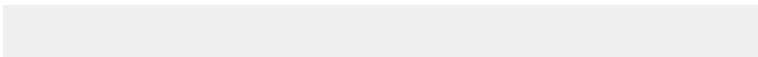
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6089, 0.3154, 0.3319



87.6089, 0.3139, 0.3320



87.6089, 0.3121, 0.3312

Triad

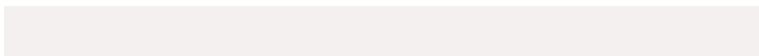
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6089, 0.3139, 0.3320



87.6089, 0.3093, 0.3269



87.6089, 0.3149, 0.3281

Complementary

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



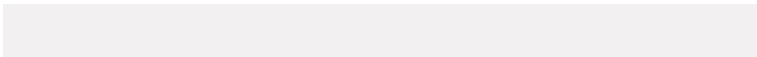
87.6089, 0.3139, 0.3320



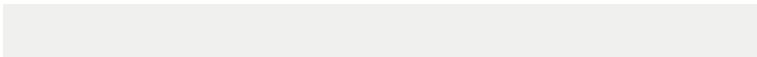
85.8519, 0.3115, 0.3260

Split Complementary

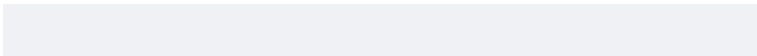
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6089, 0.3133, 0.3268



87.6089, 0.3139, 0.3320



87.6089, 0.3101, 0.3261

Square

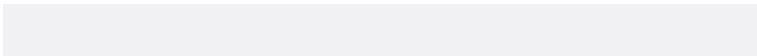
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



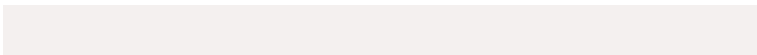
87.6089, 0.3139, 0.3320



87.6089, 0.3095, 0.3283



87.6089, 0.3115, 0.3261



87.6089, 0.3160, 0.3297

Rectangle

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



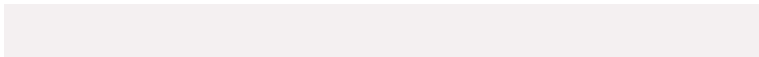
87.6089, 0.3139, 0.3320



87.6089, 0.3110, 0.3304



87.6089, 0.3115, 0.3261



87.6089, 0.3145, 0.3277

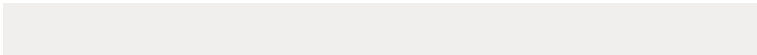
Sweetspot

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



87.6127, 0.3139, 0.3320

100.0000, 0.3127, 0.3290



86.5808, 0.3146, 0.3300



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.



87.6127, 0.3139, 0.3320



99.6816, 0.3137, 0.3314



87.3552, 0.3129, 0.3320



18.6753, 0.3136, 0.3313



38.4397, 0.3637, 0.5494



3.2511, 0.3712, 0.5435

Inverse Universe

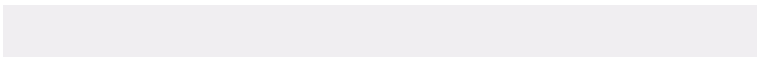
The Inverse Universe completely reimagines the original color for something new.



85.8519, 0.3115, 0.3260



98.0572, 0.3118, 0.3266



86.1099, 0.3125, 0.3260



18.3878, 0.3118, 0.3267



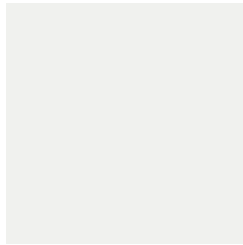
4.3759, 0.1730, 0.0727



0.4156, 0.1871, 0.0804

Previews

White Background



This preview shows how the Yxy color 87.6089, 0.3139, 0.3320 looks on a white background.

Color Contrast Check

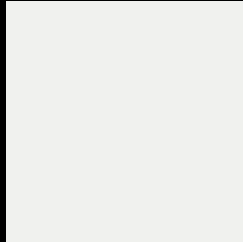
Large Text (above 18pt) WCAG AA × Fail

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 87.6089, 0.3139, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

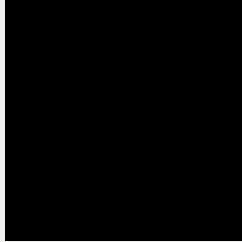
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

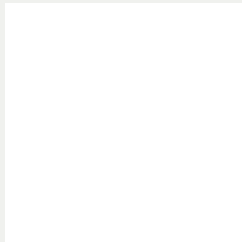
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6089, 0.3139, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 87.6089, 0.3139, 0.3320.

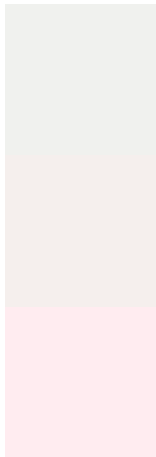


This preview shows how white text looks on a background with the Yxy color 87.6089, 0.3139, 0.3320.

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

87.6089, 0.3139, 0.3320

Protanopia

87.2599, 0.3179, 0.3310

Deuteranopia

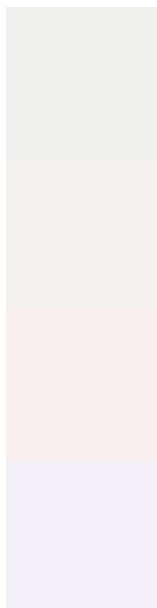
87.5422, 0.3230, 0.3251



Tritanopia

87.4238, 0.3057, 0.3122

Trichromacy



Original Color

87.6089, 0.3139, 0.3320

Protanomaly

87.4893, 0.3165, 0.3320

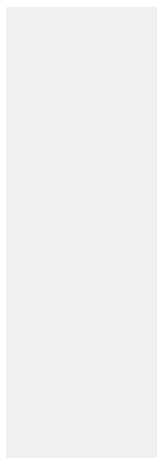
Deuteranomaly

87.7051, 0.3201, 0.3280

Tritanomaly

87.4498, 0.3086, 0.3191

Monochromacy



Original Color

87.6089, 0.3139, 0.3320

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.0774, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6089, 0.3139, 0.3320 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(240, 241, 238) looks like.

```
.text, #text, p{  
    color:rgb(240, 241, 238)  
}
```

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(240, 241, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 241, 238) }
```

Border

The CSS property to change the border of an element to Yxy 87.6089, 0.3139, 0.3320 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(240, 241, 238) }
```

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

```
.border{ border-color:rgb(240, 241, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 241, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 241, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 241, 238);  
box-shadow:4px 4px 4px 4px rgb(240, 241,  
238) }
```

Background

The CSS property to change the background color of an element to Yxy 87.6089, 0.3139, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 241, 238) }
```

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

```
.background{ background-color: rgb(240,  
241, 238) }
```

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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