

Converting Colors

$Yxy(87.0962, 0.3361, 0.3611)$

Have a look what the booklet for
Yxy(87.0962, 0.3361, 0.3611)
contains.

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Color

Yxy(87.1069, 0.3361, 0.3615)

Conversions

Conversions Part 1

Format	Color
Hex	F6F1D1
RGB	246, 241, 209
RGB Percent	96%, 95%, 82%
CMY	0.0350, 0.0550, 0.1804
CMYK	0.00, 0.02, 0.15, 0.04
HSL	52°, 67%, 89%
HSV	52°, 15%, 96%
XYZ	80.9865, 87.1069, 72.8662
YIQ	238.8470, 13.2520, -8.8920

Conversions

Conversions Part 2

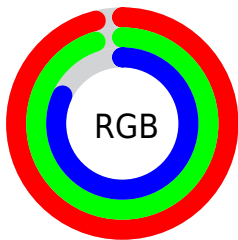
Format	Color
R_{YB}	215, 246, 209
Decimal	16183761
CIE _{Lab}	94.78, -3.50, 16.07
CIE _{LCh}	95, 16.444, 102.280
Y _{xy}	87.1069, 0.3361, 0.3615
Android (android.graphics.Color)	4294373841 (0xFFFF6F1D1)
Y _{UV}	238.8470, -14.7146, 6.2732
Hunter-Lab	93.3311, -8.4389, 19.0424

Details

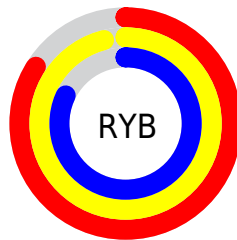
The Yxy color **87.1069, 0.3361, 0.3615** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.3466, 0.2885, 0.2943**, and the grayscale version is **86.3089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0116, 0.3411, 0.3681** is the 20% darker color. If you saturate the color by 10%, you get **84.0072, 0.3526, 0.3838**, and if you desaturate by 10%, it is **90.4395, 0.3203, 0.3397**.

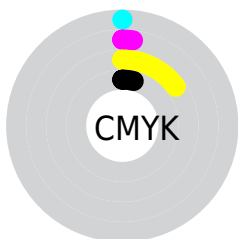
Distribution



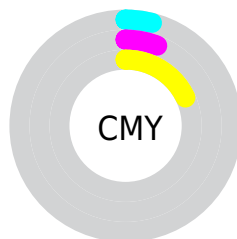
- Red (96%)
- Green (95%)
- Blue (82%)



- Red (84%)
- Yellow (96%)
- Blue (82%)



- Cyan (0%)
- Magenta (2%)
- Yellow (15%)
- Black (4%)



- Cyan (4%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1069, 0.3361, 0.3615 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 87.1069, 0.3361, 0.3615 by changing the saturation by 10% instead.

87.1069, 0.3361,
0.3615

87.1069, 0.3361,
0.3615

518.5741, 0.3257,
0.3468

65.5837, 0.3384,
0.3648

143.3131, 0.3326,
0.3565

47.9345, 0.3412,
0.3687

178.7649, 0.3312,
0.3545

33.7750, 0.3446,
0.3737

219.6284, 0.3300,
0.3528

22.7208, 0.3490,
0.3801

266.2878, 0.3289,
0.3513

14.3875, 0.3547,
0.3885

319.1278, 0.3279,
0.3500

8.3907, 0.3625,
0.4003

378.5325, 0.3271,

4.3459, 0.3737,

0.3488

0.4176

444.8865, 0.3264,
0.3478

■ 1.8689, 0.3934,
0.4485

■ 0.5296, 0.4411,
0.5589

■ 87.1069, 0.3361,
0.3615

■ 87.1069, 0.3361,
0.3615

■ 84.0072, 0.3526,
0.3838

■ 90.4395, 0.3203,
0.3397

■ 81.1200, 0.3694,
0.4058

■ 93.7929, 0.3074,
0.3219

■ 78.4397, 0.3861,
0.4268

■ 95.8816, 0.3073,
0.3252

■ 75.9559, 0.4019,
0.4457

■ 98.0079, 0.3072,
0.3285

73.6574, 0.4161,
0.4616

98.3445, 0.3072,
0.3290

71.5312, 0.4281,
0.4735

69.5625, 0.4374,
0.4809

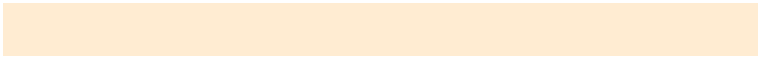
67.7330, 0.4438,
0.4837

66.8677, 0.4462,
0.4839

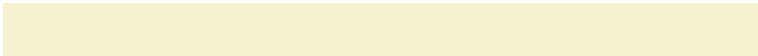
Harmonies

Analogous

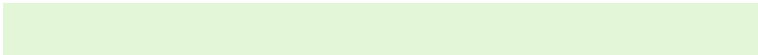
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1069, 0.3474, 0.3542



87.1069, 0.3361, 0.3615



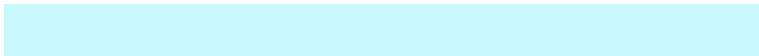
87.1069, 0.3187, 0.3598

Triad

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



87.1069, 0.3361, 0.3615



87.1069, 0.2776, 0.3156



87.1069, 0.3248, 0.3102

Complementary

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



87.1069, 0.3361, 0.3615



68.3466, 0.2885, 0.2943

Split Complementary

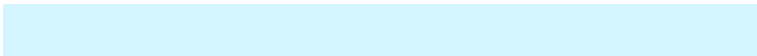
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1069, 0.3059, 0.3004



87.1069, 0.3361, 0.3615



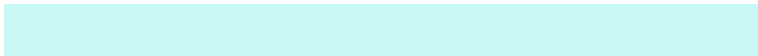
87.1069, 0.2790, 0.3030

Square

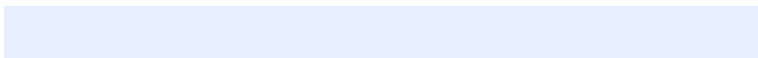
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



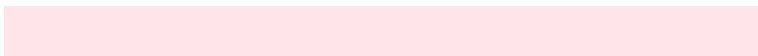
87.1069, 0.3361, 0.3615



87.1069, 0.2852, 0.3325



87.1069, 0.2892, 0.2977



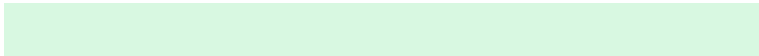
87.1069, 0.3408, 0.3247

Rectangle

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



87.1069, 0.3361, 0.3615



87.1069, 0.3061, 0.3534



87.1069, 0.2892, 0.2977



87.1069, 0.3186, 0.3063

Sweetspot

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



87.1107, 0.3361, 0.3615



98.0964, 0.3203, 0.3396



70.0899, 0.3369, 0.3233



20.9405, 0.3213, 0.3411



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

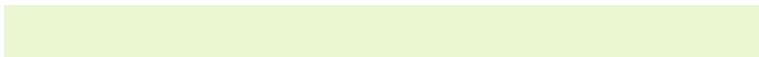
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1107, 0.3361, 0.3615



93.4415, 0.3409, 0.3681



87.8936, 0.3266, 0.3675



18.9036, 0.3272, 0.3493



35.8242, 0.4457, 0.4843



3.2533, 0.4419, 0.4873

Inverse Universe

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



68.3466, 0.2885, 0.2943



69.5889, 0.2833, 0.2866



67.7849, 0.2973, 0.2897



16.2927, 0.2979, 0.3079



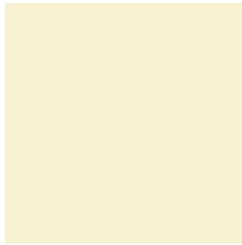
4.2686, 0.1530, 0.0707



0.4866, 0.1580, 0.0886

Previews

White Background



This preview shows how the Yxy color 87.1069, 0.3361, 0.3615 looks on a white background.

Color Contrast Check

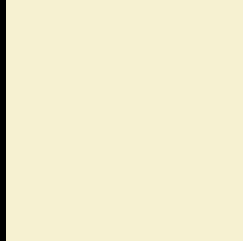
Large Text (above 18pt) WCAG AA × Fail

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 87.1069, 0.3361, 0.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

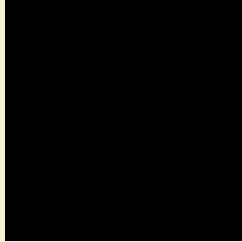
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

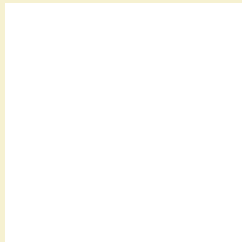
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1069, 0.3361, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 87.1069, 0.3361, 0.3615.



This preview shows how white text looks on a background with the Yxy color 87.1069, 0.3361, 0.3615.

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

87.1069, 0.3361, 0.3615

Protanopia

86.9825, 0.3412, 0.3602

Deuteranopia

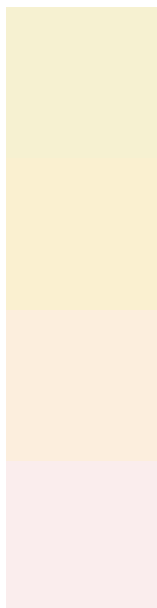
86.8523, 0.3307, 0.3369



Tritanopia

87.2040, 0.3129, 0.3115

Trichromacy



Original Color

87.1069, 0.3361, 0.3615

Protanomaly

87.1982, 0.3396, 0.3613

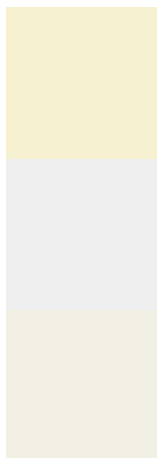
Deuteranomaly

87.0650, 0.3329, 0.3460

Tritanomaly

87.0068, 0.3214, 0.3290

Monochromacy



Original Color

87.1069, 0.3361, 0.3615

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.7989, 0.3214, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1069, 0.3361, 0.3615 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(246, 241, 209)` looks like.

```
.text, #text, p{  
    color:rgb(246, 241, 209)  
}
```

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(246, 241, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 241, 209) }
```

Border

The CSS property to change the border of an element to Yxy 87.1069, 0.3361, 0.3615 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(246, 241, 209) }
```

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

```
.border{ border-color:rgb(246, 241, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 241, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 241, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 241, 209);  
box-shadow:4px 4px 4px 4px rgb(246, 241,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1069, 0.3361, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 241, 209) }
```

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

```
.background{ background-color: rgb(246,  
241, 209) }
```

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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