

Converting Colors

$Y_{xy}(86.6172, 0.3210, 0.3229)$

Have a look what the booklet for
Yxy(86.6172, 0.3210, 0.3229)
contains.

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Color

Yxy(86.6502, 0.3211, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	FDEBF1
RGB	253, 235, 241
RGB Percent	99%, 92%, 95%
CMY	0.0076, 0.0785, 0.0548
CMYK	0.00, 0.07, 0.05, 0.01
HSL	340°, 82%, 96%
HSV	340°, 7%, 99%
XYZ	86.1138, 86.6502, 95.4198
YIQ	241.0660, 8.8020, 5.6820

Conversions

Conversions Part 2

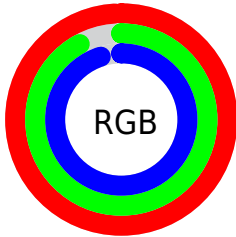
Format	Color
R _Y B	253, 235, 241
Decimal	16641009
CIE Lab	94.59, 7.14, -0.72
CIE LCh	95, 7.174, 354.242
Yxy	86.6502, 0.3211, 0.3231
Android (android.graphics.Color)	4294831089 (0xFFFDEBF1)
YUV	241.0660, -0.0325, 10.4661
Hunter-Lab	93.0861, 2.2295, 4.3838

Details

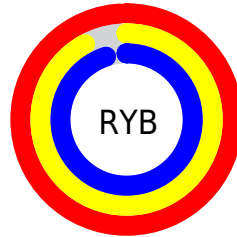
The Yxy color **86.6502, 0.3211, 0.3231** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.6702, 0.3050, 0.3350**, and the grayscale version is **88.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4787, 0.3226, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **72.2191, 0.3351, 0.3144**, and if you desaturate by 10%, it is **99.6355, 0.3115, 0.3290**.

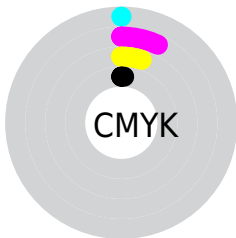
Distribution



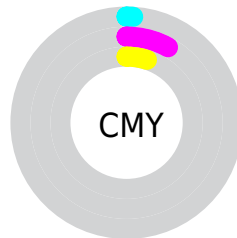
- Red (99%)
- Green (92%)
- Blue (95%)



- Red (99%)
- Yellow (92%)
- Blue (95%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (1%)




- Cyan (1%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6502, 0.3211, 0.3231 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 86.6502, 0.3211, 0.3231 by changing the saturation by 10% instead.

 86.6502, 0.3211,
0.3231

 86.6502, 0.3211,
0.3231


517.0727, 0.3173,
0.3257

 65.2058, 0.3219,
0.3225

142.6765, 0.3198,
0.3240

 47.6279, 0.3229,
0.3218


178.0271, 0.3193,
0.3244

 33.5323, 0.3242,
0.3209


218.7819, 0.3189,
0.3247

 22.5346, 0.3258,
0.3198

265.3254, 0.3185,
0.3249

 14.2502, 0.3280,
0.3183

318.0417, 0.3182,
0.3252

 8.2949, 0.3310,
0.3162

377.3155, 0.3179,

 4.2842, 0.3355,

0.3254

0.3130

443.5310, 0.3176,
0.3256

■ 1.8338, 0.3428,
0.3079

■ 0.5081, 0.3715,
0.2873

■ 86.6502, 0.3211,
0.3231

■ 86.6502, 0.3211,
0.3231

■ 72.2191, 0.3351,
0.3144

99.6355, 0.3115,
0.3290

■ 59.8495, 0.3522,
0.3053

■ 49.4501, 0.3730,
0.2962

■ 40.9178, 0.3980,
0.2876

■ 34.1403, 0.4271,
0.2804

■ 28.9932, 0.4599,
0.2757

■ 25.3352, 0.4948,
0.2749

■ 23.0009, 0.5294,
0.2788

■ 21.7784, 0.5605,
0.2877

Harmonies

Analogous

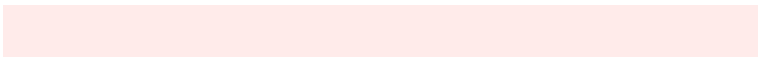
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6502, 0.3131, 0.3177



86.6502, 0.3211, 0.3231



86.6502, 0.3269, 0.3301

Triad

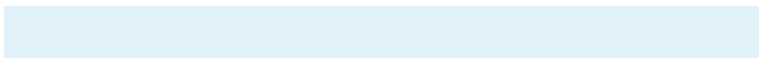
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6502, 0.3211, 0.3231



86.6502, 0.3202, 0.3432



86.6502, 0.2969, 0.3208

Complementary

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



86.6502, 0.3211, 0.3231



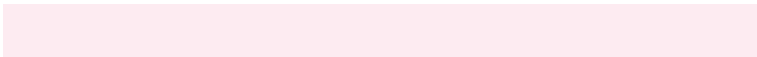
94.6702, 0.3050, 0.3350

Split Complementary

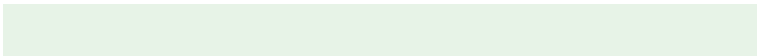
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6502, 0.2988, 0.3277



86.6502, 0.3211, 0.3231



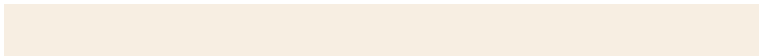
86.6502, 0.3122, 0.3408

Square

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



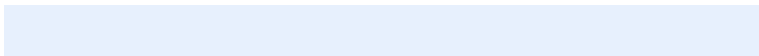
86.6502, 0.3211, 0.3231



86.6502, 0.3263, 0.3418



86.6502, 0.3043, 0.3350



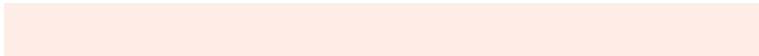
86.6502, 0.2992, 0.3163

Rectangle

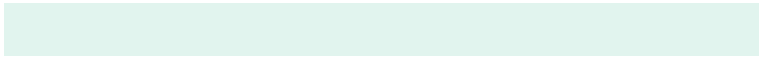
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



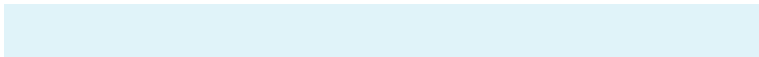
86.6502, 0.3211, 0.3231



86.6502, 0.3286, 0.3348



86.6502, 0.3043, 0.3350



86.6502, 0.2971, 0.3229

Sweetspot

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



86.6540, 0.3211, 0.3231



96.5722, 0.3149, 0.3274



86.2292, 0.3094, 0.3112



20.7063, 0.3148, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

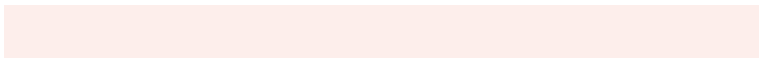
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6540, 0.3211, 0.3231



85.2755, 0.3235, 0.3215



87.8643, 0.3247, 0.3317



18.0871, 0.3242, 0.3211



11.4772, 0.5645, 0.2883



1.1368, 0.5327, 0.2708

Inverse Universe

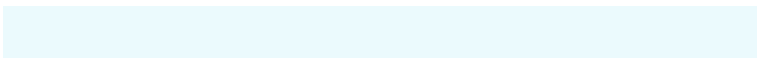
The Inverse Universe completely reimagines the original color for something new.



86.6540, 0.3211, 0.3231



85.2755, 0.3235, 0.3215



93.3477, 0.3016, 0.3263



18.0871, 0.3242, 0.3211



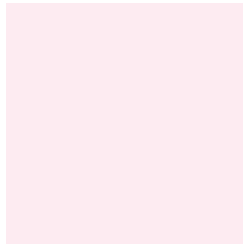
11.4772, 0.5645, 0.2883



1.1368, 0.5327, 0.2708

Previews

White Background



This preview shows how the Yxy color 86.6502, 0.3211, 0.3231 looks on a white background.

Color Contrast Check

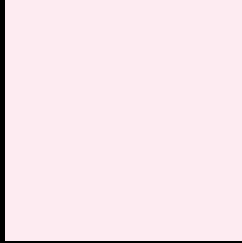
Large Text (above 18pt) WCAG AA × Fail

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 86.6502, 0.3211, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

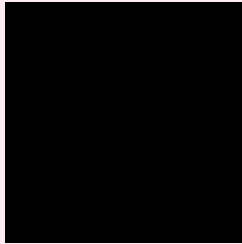
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

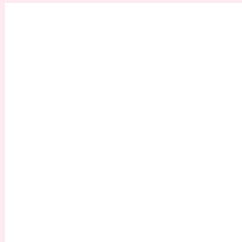
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6502, 0.3211, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 86.6502, 0.3211, 0.3231.

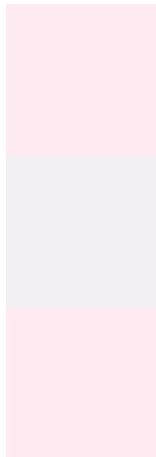


This preview shows how white text looks on a background with the Yxy color 86.6502, 0.3211, 0.3231.

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

86.6502, 0.3211, 0.3231

Protanopia

86.6748, 0.3129, 0.3240

Deuteranopia

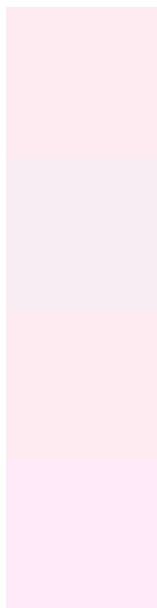
86.4565, 0.3225, 0.3222



Tritanopia

86.5661, 0.3156, 0.3106

Trichromacy



Original Color

86.6502, 0.3211, 0.3231

Protanomaly

86.7533, 0.3163, 0.3241

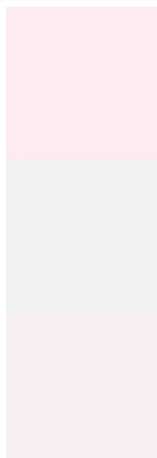
Deuteranomaly

86.2673, 0.3218, 0.3222

Tritanomaly

86.6938, 0.3174, 0.3154

Monochromacy



Original Color

86.6502, 0.3211, 0.3231

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.4964, 0.3154, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6502, 0.3211, 0.3231 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(253, 235, 241)` looks like.

```
.text, #text, p{  
    color:rgb(253, 235, 241)  
}
```

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(253, 235, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 235, 241) }
```

Border

The CSS property to change the border of an element to Yxy 86.6502, 0.3211, 0.3231 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(253, 235, 241) }
```

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

```
.border{ border-color:rgb(253, 235, 241) }
```

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

Here you see how a box with a 4 pixel rgb(253, 235, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 235, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 235, 241);  
box-shadow:4px 4px 4px 4px rgb(253, 235,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6502, 0.3211, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 235, 241) }
```

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

```
.background{ background-color: rgb(253,  
235, 241) }
```

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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