

Converting Colors

$Y_{xy}(104.3535, 0.3898, 0.3230)$

Have a look what the booklet for
Yxy(104.3535, 0.3898, 0.3230)
contains.

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Color

Yxy(82.8029, 0.3263, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	FFE4EC
RGB	255, 228, 236
RGB Percent	100%, 89%, 93%
CMY	0.0000, 0.1058, 0.0747
CMYK	0.00, 0.11, 0.07, 0.00
HSL	342°, 100%, 95%
HSV	342°, 11%, 100%
XYZ	84.1176, 82.8029, 90.8718
YIQ	236.9850, 13.5240, 8.2120

Conversions

Conversions Part 2

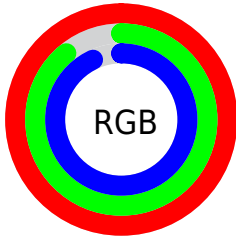
Format	Color
R _Y B	255, 228, 236
Decimal	16770284
CIE Lab	92.93, 10.53, -0.49
CIE LCh	93, 10.544, 357.314
Yxy	82.8029, 0.3263, 0.3212
Android (android.graphics.Color)	4294960364 (0xFFFFE4EC)
YUV	236.9850, -0.4856, 15.7992
Hunter-Lab	90.9961, 5.7639, 4.4883

Details

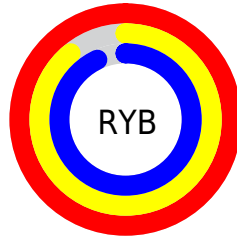
The Yxy color **82.8029, 0.3263, 0.3212** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94.7334, 0.3007, 0.3369**, and the grayscale version is **84.6724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1882, 0.3293, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **68.8014, 0.3422, 0.3134**, and if you desaturate by 10%, it is **98.9862, 0.3134, 0.3286**.

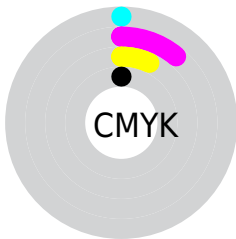
Distribution



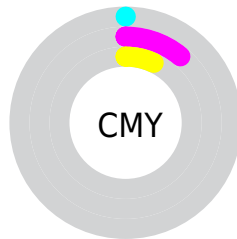
- Red (100%)
- Green (89%)
- Blue (93%)



- Red (100%)
- Yellow (89%)
- Blue (93%)



- Cyan (0%)
- Magenta (11%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8029, 0.3263, 0.3212 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 82.8029, 0.3263, 0.3212 by changing the saturation by 10% instead.


 82.8029, 0.3263,
0.3212

 82.8029, 0.3263,
0.3212

504.3294, 0.3202,
0.3247

 62.0276, 0.3277,
0.3204


137.2994, 0.3242,
0.3224

 45.0550, 0.3293,
0.3194


171.7893, 0.3234,
0.3229

 31.5007, 0.3315,
0.3182


211.6195, 0.3227,
0.3233

 20.9804, 0.3342,
0.3167

257.1745, 0.3220,
0.3237

 13.1097, 0.3378,
0.3146

308.8386, 0.3215,
0.3240

 7.5041, 0.3429,
0.3117

366.9962, 0.3210,

 3.7793, 0.3506,

0.3243

0.3073

432.0316, 0.3206,
0.3245

■ 1.5509, 0.3636,
0.3000

■ 0.3242, 0.4427,
0.2539

■ 82.8029, 0.3263,
0.3212

■ 82.8029, 0.3263,
0.3212

■ 68.8014, 0.3422,
0.3134

98.9862, 0.3134,
0.3286

■ 56.8775, 0.3617,
0.3053

99.9996, 0.3127,
0.3290

■ 46.9347, 0.3853,
0.2973

■ 38.8644, 0.4136,
0.2901

■ 32.5478, 0.4462,
0.2846

■ 27.8521, 0.4824,
0.2819

■ 24.6254, 0.5197,
0.2833

■ 22.6865, 0.5548,
0.2894

■ 21.7686, 0.5831,
0.2986

Harmonies

Analogous

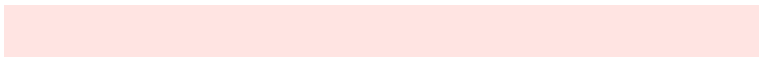
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8029, 0.3145, 0.3129



82.8029, 0.3263, 0.3212



82.8029, 0.3345, 0.3316

Triad

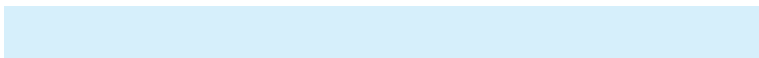
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8029, 0.3263, 0.3212



82.8029, 0.3227, 0.3502



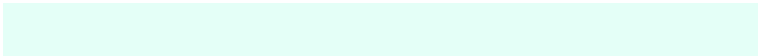
82.8029, 0.2893, 0.3158

Complementary

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



82.8029, 0.3263, 0.3212



94.7334, 0.3007, 0.3369

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.



82.8029, 0.2914, 0.3257



82.8029, 0.3263, 0.3212



82.8029, 0.3105, 0.3460

Square

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



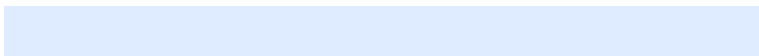
82.8029, 0.3263, 0.3212



82.8029, 0.3323, 0.3485



82.8029, 0.2991, 0.3369



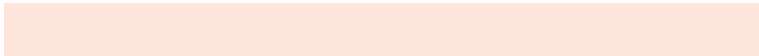
82.8029, 0.2933, 0.3096

Rectangle

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



82.8029, 0.3263, 0.3212



82.8029, 0.3367, 0.3385



82.8029, 0.2991, 0.3369



82.8029, 0.2894, 0.3188

Sweetspot

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



82.8065, 0.3263, 0.3212



94.8730, 0.3163, 0.3269



82.4695, 0.3085, 0.3024



20.0208, 0.3173, 0.3263



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

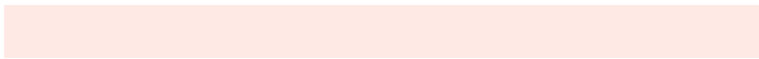
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8065, 0.3263, 0.3212



79.2269, 0.3298, 0.3193



85.3714, 0.3310, 0.3344



18.0751, 0.3248, 0.3220



11.3973, 0.5788, 0.2962



1.1279, 0.5468, 0.2786

Inverse Universe

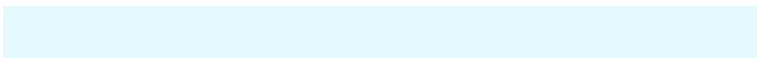
The Inverse Universe completely reimagines the original color for something new.



82.8065, 0.3263, 0.3212



79.2269, 0.3298, 0.3193



91.8392, 0.2963, 0.3235



18.0751, 0.3248, 0.3220



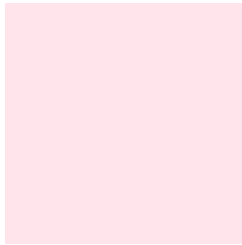
11.3973, 0.5788, 0.2962



1.1279, 0.5468, 0.2786

Previews

White Background



This preview shows how the Yxy color 82.8029, 0.3263, 0.3212 looks on a white background.

Color Contrast Check

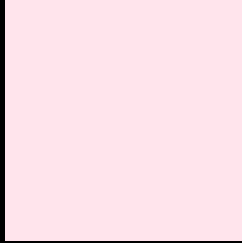
Large Text (above 18pt) WCAG AA × Fail

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 82.8029, 0.3263, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

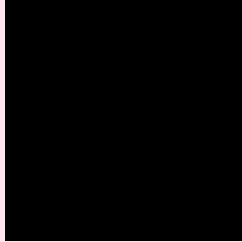
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8029, 0.3263, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 82.8029, 0.3263, 0.3212.

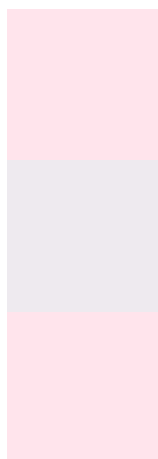


This preview shows how white text looks on a background with the Yxy color 82.8029, 0.3263, 0.3212.

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

82.8029, 0.3263, 0.3212

Protanopia

83.2548, 0.3123, 0.3239

Deuteranopia

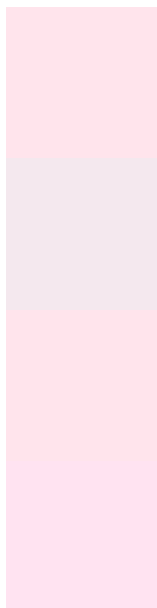
82.8029, 0.3263, 0.3212



Tritanopia

82.7298, 0.3211, 0.3124

Trichromacy



Original Color

82.8029, 0.3263, 0.3212

Protanomaly

83.1194, 0.3171, 0.3230

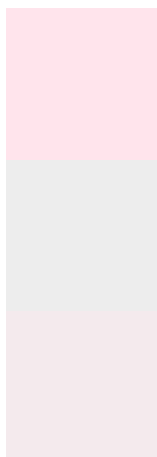
Deuteranomaly

82.8029, 0.3263, 0.3212

Tritanomaly

82.5490, 0.3231, 0.3153

Monochromacy



Original Color

82.8029, 0.3263, 0.3212

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.1932, 0.3176, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8029, 0.3263, 0.3212 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(255, 228, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 236)  
}
```

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(255, 228, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 236) }
```

Border

The CSS property to change the border of an element to Yxy 82.8029, 0.3263, 0.3212 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(255, 228, 236) }
```

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

```
.border{ border-color:rgb(255, 228, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8029, 0.3263, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 236) }
```

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

```
.background{ background-color: rgb(255,  
228, 236) }
```

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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