

Converting Colors

$Y_{xy}(90.0982, 0.3340, 0.3201)$

Have a look what the booklet for
Yxy(90.0982, 0.3340, 0.3201)
contains.

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Color

Yxy(86.5767, 0.3212, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	FFFAF3
RGB	255, 234, 243
RGB Percent	100%, 92%, 95%
CMY	0.0000, 0.0824, 0.0469
CMYK	0.00, 0.08, 0.05, 0.00
HSL	334°, 100%, 96%
HSV	334°, 8%, 100%
XYZ	86.8471, 86.5767, 96.9594
YIQ	241.3050, 9.6270, 7.2510

Conversions

Conversions Part 2

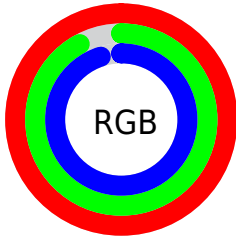
Format	Color
R _Y B	255, 234, 243
Decimal	16771827
CIE Lab	94.56, 8.64, -1.80
CIE LCh	95, 8.827, 348.250
Yxy	86.5767, 0.3212, 0.3202
Android (android.graphics.Color)	4294961907 (0xFFFEAF3)
YUV	241.3050, 0.8356, 12.0105
Hunter-Lab	93.0466, 3.7753, 3.3493

Details

The Yxy color $86.5767, 0.3212, 0.3202$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $95.6636, 0.3050, 0.3380$, and the grayscale version is $88.2061, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.4344, 0.3228, 0.3178$ is the 20% darker color. If you saturate the color by 10%, you get $72.2462, 0.3335, 0.3089$, and if you desaturate by 10%, it is $100.0000, 0.3127, 0.3290$.

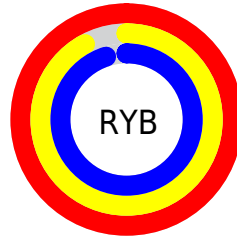
Distribution



Red (100%)

Green (92%)

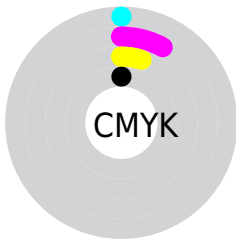
Blue (95%)



Red (100%)

Yellow (92%)

Blue (95%)

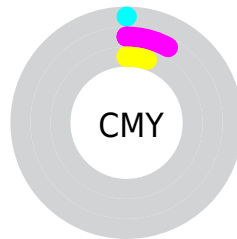


Cyan (0%)

Magenta (8%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5767, 0.3212, 0.3202 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 86.5767, 0.3212, 0.3202 by changing the saturation by 10% instead.

 86.5767, 0.3212,
0.3202

 86.5767, 0.3212,
0.3202

516.8309, 0.3174,
0.3241

 65.1450, 0.3220,
0.3193

142.5740, 0.3199,
0.3215

 47.5786, 0.3231,
0.3183


177.9083, 0.3194,
0.3221

 33.4933, 0.3243,
0.3170


218.6456, 0.3190,
0.3225

 22.5046, 0.3260,
0.3153

265.1704, 0.3186,
0.3229

 14.2282, 0.3281,
0.3131

317.8668, 0.3182,
0.3233

 8.2795, 0.3311,
0.3100

377.1195, 0.3179,

 4.2743, 0.3356,

0.3236

0.3055

443.3127, 0.3177,
0.3239

■ 1.8282, 0.3429,
0.2981

■ 0.5046, 0.3692,
0.2698

■ 86.5767, 0.3212,
0.3202

■ 86.5767, 0.3212,
0.3202

■ 72.2462, 0.3335,
0.3089

100.0000, 0.3127,
0.3290

■ 59.9819, 0.3484,
0.2973

■ 49.6892, 0.3664,
0.2856

■ 41.2635, 0.3876,
0.2746

■ 34.5903, 0.4121,
0.2652

■ 29.5423, 0.4394,
0.2587

■ 25.9750, 0.4685,
0.2564

■ 23.7176, 0.4978,
0.2593

■ 22.5355, 0.5252,
0.2676

Harmonies

Analogous

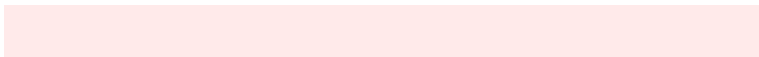
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5767, 0.3111, 0.3142



86.5767, 0.3212, 0.3202



86.5767, 0.3291, 0.3286

Triad

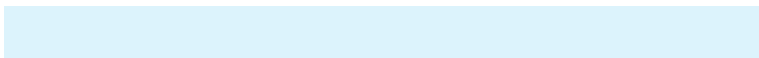
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5767, 0.3212, 0.3202



86.5767, 0.3237, 0.3466



86.5767, 0.2934, 0.3204

Complementary

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



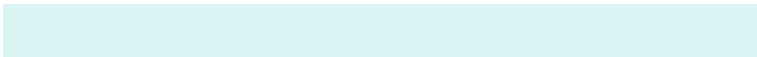
86.5767, 0.3212, 0.3202



95.6636, 0.3050, 0.3380

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.



86.5767, 0.2966, 0.3292



86.5767, 0.3212, 0.3202



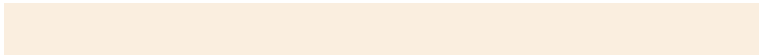
86.5767, 0.3140, 0.3445

Square

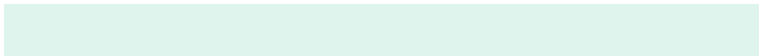
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



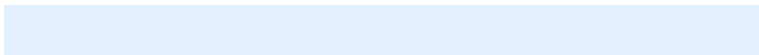
86.5767, 0.3212, 0.3202



86.5767, 0.3305, 0.3438



86.5767, 0.3042, 0.3381



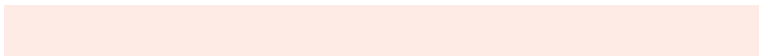
86.5767, 0.2952, 0.3141

Rectangle

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



86.5767, 0.3212, 0.3202



86.5767, 0.3319, 0.3344



86.5767, 0.3042, 0.3381



86.5767, 0.2939, 0.3231

Sweetspot

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



86.5790, 0.3212, 0.3202



96.6034, 0.3146, 0.3269



85.6401, 0.3077, 0.3084



20.7127, 0.3146, 0.3270



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

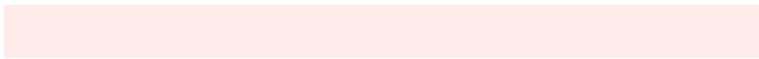
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5790, 0.3212, 0.3202



83.8955, 0.3232, 0.3183



86.8462, 0.3269, 0.3304



18.1169, 0.3226, 0.3188



11.7233, 0.5258, 0.2670



1.1629, 0.4969, 0.2511

Inverse Universe

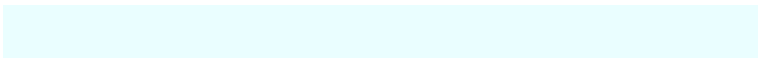
The Inverse Universe completely reimagines the original color for something new.



86.5790, 0.3212, 0.3202



83.8955, 0.3232, 0.3183



95.3423, 0.2999, 0.3276



18.1169, 0.3226, 0.3188



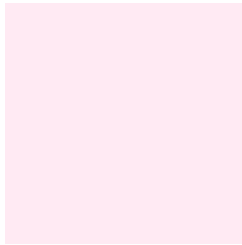
11.7233, 0.5258, 0.2670



1.1629, 0.4969, 0.2511

Previews

White Background



This preview shows how the Yxy color 86.5767, 0.3212, 0.3202 looks on a white background.

Color Contrast Check

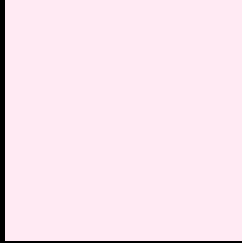
Large Text (above 18pt) WCAG AA × Fail

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 86.5767, 0.3212, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

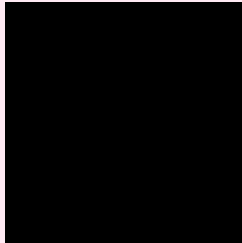
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5767, 0.3212, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 86.5767, 0.3212, 0.3202.

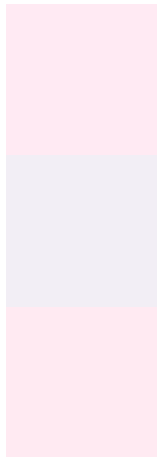


This preview shows how white text looks on a background with the Yxy color 86.5767, 0.3212, 0.3202.

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

86.5767, 0.3212, 0.3202

Protanopia

86.6189, 0.3111, 0.3220

Deuteranopia

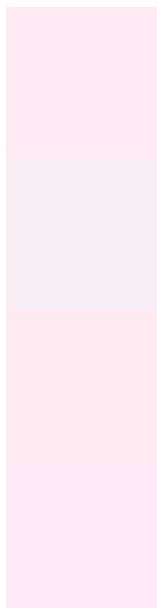
86.5164, 0.3219, 0.3212



Tritanopia

86.4400, 0.3168, 0.3125

Trichromacy



Original Color

86.5767, 0.3212, 0.3202

Protanomaly

86.8742, 0.3150, 0.3221

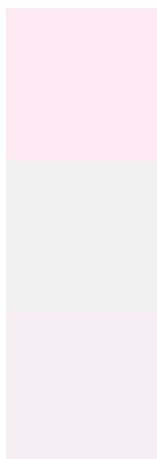
Deuteranomaly

86.5164, 0.3219, 0.3212

Tritanomaly

86.2532, 0.3187, 0.3154

Monochromacy



Original Color

86.5767, 0.3212, 0.3202

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.1527, 0.3155, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5767, 0.3212, 0.3202 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, 234, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 243)  
}
```

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, 234, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 243) }
```

Border

The CSS property to change the border of an element to Yxy 86.5767, 0.3212, 0.3202 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, 234, 243) }
```

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

```
.border{ border-color:rgb(255, 234, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5767, 0.3212, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 243) }
```

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

```
.background{ background-color: rgb(255,  
234, 243) }
```

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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