Converting Colors

Yxy(100.0000, 0.3122, 0.2783)

Have a look what the booklet for Yxy(100.0000, 0.3122, 0.2783) contains.

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Color

Yxy(89.0484, 0.3135, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDFF
RGB	255, 237, 255
RGB Percent	100%, 93%, 100%
CMY	0.0002, 0.0705, 0.0000
CMYK	0.00, 0.07, 0.00, 0.00
HSL	300°, 100%, 96%
HSV	300°, 7%, 100%
XYZ	89.5626, 89.0484, 107.0752
YIQ	244.4340, 4.9500, 9.4140

Conversions

Conversions Part 2

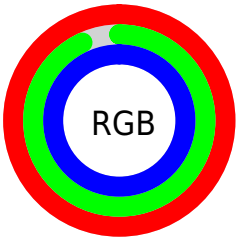
Format	Color
RYB	255, 237, 255
Decimal	16772607
CIELab	95.60, 9.15, -6.47
CIELCh	96, 11.211, 324.741
Yxy	89.0484, 0.3135, 0.3117
Android (android.graphics.Color)	4294962687 (0xFFFFEDFF)
YUV	244.4340, 5.2090, 9.2664
Hunter-Lab	94.3655, 4.2755, -1.2197

Details

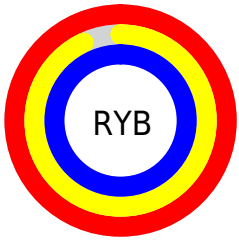
The Yxy color 89.0484, 0.3135, 0.3117 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 95.6505, 0.3119, 0.3469, and the grayscale version is 90.7858, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.1307, 0.3137, 0.3082 is the 20% darker color. If you saturate the color by 10%, you get 75.3086, 0.3146, 0.2866, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

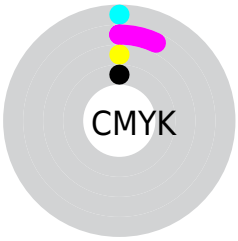
Distribution



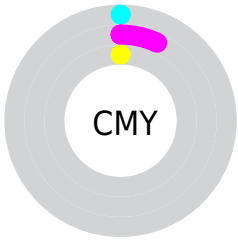
- Red (100%)
- Green (93%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.0484, 0.3135, 0.3117 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 89.0484, 0.3135, 0.3117 by changing the saturation by 10% instead.

89.0484, 0.3135, 0.3117

524.9305, 0.3132, 0.3193

146.0159, 0.3134, 0.3143

181.8954, 0.3134, 0.3153

223.2180, 0.3133, 0.3162

270.3680, 0.3133, 0.3170

323.7299, 0.3133, 0.3177

383.6880, 0.3132,

89.0484, 0.3135, 0.3117

67.1917, 0.3136, 0.3100

49.2404, 0.3136, 0.3080

34.8102, 0.3137, 0.3056

23.5167, 0.3138, 0.3024

14.9755, 0.3139, 0.2983

8.8022, 0.3139, 0.2927

4.6124, 0.3140,

0.3183

0.2845

450.6267, 0.3132, 0.3188

2.0217, 0.3139, 0.2717

0.6200, 0.3163, 0.2413

89.0484, 0.3135, 0.3117

89.0484, 0.3135, 0.3117

75.3086, 0.3146, 0.2866

100.0000, 0.3127, 0.3290

63.5766, 0.3158, 0.2614

53.7618, 0.3169, 0.2370

45.7621, 0.3179, 0.2144

39.4663, 0.3187, 0.1944

34.7506, 0.3194, 0.1781

31.4747, 0.3199, 0.1660

29.4739, 0.3202, 0.1582

28.5374, 0.3203, 0.1545

Harmonies

Analogous

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

89.0484, 0.3011, 0.3077

89.0484, 0.3135, 0.3117

89.0484, 0.3259, 0.3200

Triad

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

89.0484, 0.3135, 0.3117

89.0484, 0.3337, 0.3488

89.0484, 0.2911, 0.3266

Complementary

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

89.0484, 0.3135, 0.3117

95.6505, 0.3119, 0.3469

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.

89.0484, 0.2995, 0.3381

89.0484, 0.3135, 0.3117

89.0484, 0.3241, 0.3511

Square

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

89.0484, 0.3135, 0.3117

89.0484, 0.3377, 0.3413

89.0484, 0.3116, 0.3472

89.0484, 0.2884, 0.3160

Rectangle

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

89.0484, 0.3135, 0.3117

89.0484, 0.3324, 0.3271

89.0484, 0.3116, 0.3472

89.0484, 0.2934, 0.3305

Sweetspot

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

89.0522, 0.3135, 0.3117

96.7869, 0.3129, 0.3241

85.9815, 0.3019, 0.3114

20.7500, 0.3129, 0.3244

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.

89.0522, 0.3135, 0.3117

87.6591, 0.3136, 0.3093

88.5127, 0.3189, 0.3200

18.2982, 0.3138, 0.3056

14.8254, 0.3204, 0.1538

1.4442, 0.3204, 0.1539

Inverse Universe

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

87.9578, 0.3248, 0.3290

86.4256, 0.3265, 0.3290

96.1640, 0.3069, 0.3382

17.9878, 0.3294, 0.3290

11.1098, 0.6398, 0.3298

1.0819, 0.6393, 0.3295

Previews

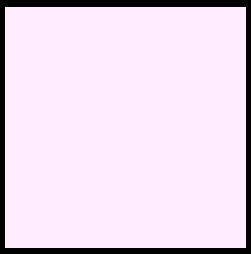
White Background

This preview shows how the Yxy color 89.0484, 0.3135, 0.3117 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



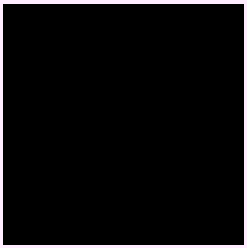
This preview shows how the Yxy color 89.0484, 0.3135, 0.3117 looks on a black background.

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 89.0484, 0.3135, 0.3117 Background



This preview shows how black text looks on a background with the Yxy color 89.0484, 0.3135, 0.3117.

This preview shows how white text looks on a background with the Yxy color 89.0484, 0.3135, 0.3117.

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
89.0484, 0.3135, 0.3117

Protanopia
89.0078, 0.3050, 0.3152

Deuteranopia
88.8566, 0.3154, 0.3145

Tritanopia
88.8592, 0.3129, 0.3117

Trichromacy

Original Color
89.0484, 0.3135, 0.3117

Protanomaly
89.3143, 0.3082, 0.3144

Deuteranomaly
88.9202, 0.3148, 0.3136

Tritanomaly
88.8592, 0.3129, 0.3117

Monochromacy

Original Color
89.0484, 0.3135, 0.3117

Achromatopsia
90.4661, 0.3127, 0.3290

Achromatomaly
89.6444, 0.3130, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0484, 0.3135, 0.3117 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, 237, 255) looks like.

```
.text, #text, p{
    color:rgb(255, 237, 255)
}
```

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, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.0484, 0.3135, 0.3117 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, 237, 255) }
```

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

```
.border{ border-color:rgb(255, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 237, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 237, 255); box-shadow:4px 4px 4px 4px rgb(255, 237, 255) }
```

Background

The CSS property to change the background color of an element to Yxy 89.0484, 0.3135, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 237, 255) }
```

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

```
.background{ background-color:rgb(255,
237, 255) }
```

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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