

Converting Colors

$Y_{xy}(100.0000, 0.3127, 0.2797)$

Have a look what the booklet for
Yxy(100.0000, 0.3127, 0.2797)
contains.

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Color

Yxy(89.6291, 0.3135, 0.3127)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFEEFF |
| RGB | 255, 238, 255 |
| RGB Percent | 100%, 93%, 100% |
| CMY | 0.0000, 0.0666, 0.0001 |
| CMYK | 0.00, 0.07, 0.00, 0.00 |
| HSL | 300°, 100%, 97% |
| HSV | 300°, 7%, 100% |
| XYZ | 89.8584, 89.6291, 107.1422 |
| YIQ | 245.0210, 4.6750, 8.8910 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 255, 238, 255 |
| Decimal | 16772863 |
| CIE _{Lab} | 95.84, 8.65, -6.10 |
| CIE _{LCh} | 96, 10.583, 324.826 |
| Yxy | 89.6291, 0.3135, 0.3127 |
| Android (android.graphics.Color) | 4294962943 (0xFFFFEEFF) |
| YUV | 245.0210, 4.9196, 8.7516 |
| Hunter-Lab | 94.6726, 3.7459, -0.8284 |

Details

The Yxy color 89.6291, 0.3135, 0.3127 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.8719, 0.3119, 0.3459, and the grayscale version is 91.2862, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.5389, 0.3136, 0.3094 is the 20% darker color. If you saturate the color by 10%, you get 75.8177, 0.3147, 0.2877, and if you desaturate by 10%, it is 99.9992, 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 89.6291, 0.3135, 0.3127 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 89.6291, 0.3135, 0.3127 by changing the saturation by 10% instead.


 89.6291, 0.3135,
0.3127

 89.6291, 0.3135,
0.3127


526.8236, 0.3132,
0.3199

 67.6731, 0.3136,
0.3111

146.8231, 0.3134,
0.3151

 49.6318, 0.3136,
0.3092


182.8298, 0.3134,
0.3161

 35.1209, 0.3137,
0.3069

224.2889, 0.3133,
0.3169

 23.7560, 0.3138,
0.3040

271.5848, 0.3133,
0.3177

 15.1528, 0.3139,
0.3001

325.1018, 0.3133,
0.3183

 8.9267, 0.3140,
0.2948

385.2243, 0.3132,

 4.6934, 0.3141,

0.3189

0.2871

452.3368, 0.3132,
0.3194

■ 2.0685, 0.3141,
0.2751

■ 0.6468, 0.3161,
0.2475

■ 89.6291, 0.3135,
0.3127

■ 89.6291, 0.3135,
0.3127

■ 75.8177, 0.3147,
0.2877

99.9992, 0.3127,
0.3290

■ 64.0174, 0.3159,
0.2625

■ 54.1380, 0.3171,
0.2381

■ 46.0778, 0.3182,
0.2154

■ 39.7260, 0.3192,
0.1955

■ 34.9593, 0.3200,
0.1790

■ 31.6383, 0.3207,
0.1668

■ 29.5993, 0.3211,
0.1589

■ 28.6364, 0.3213,
0.1551

Harmonies

Analogous

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



89.6291, 0.3018, 0.3090



89.6291, 0.3135, 0.3127



89.6291, 0.3251, 0.3206

Triad

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



89.6291, 0.3135, 0.3127



89.6291, 0.3324, 0.3477



89.6291, 0.2924, 0.3267

Complementary

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



89.6291, 0.3135, 0.3127



95.8719, 0.3119, 0.3459

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.



89.6291, 0.3003, 0.3376



89.6291, 0.3135, 0.3127



89.6291, 0.3234, 0.3498

Square

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



89.6291, 0.3135, 0.3127



89.6291, 0.3362, 0.3406



89.6291, 0.3116, 0.3461



89.6291, 0.2898, 0.3168

Rectangle

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



89.6291, 0.3135, 0.3127



89.6291, 0.3313, 0.3272



89.6291, 0.3116, 0.3461



89.6291, 0.2945, 0.3304

Sweetspot

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



89.6330, 0.3135, 0.3127



96.7885, 0.3129, 0.3242



86.5548, 0.3025, 0.3121



20.7504, 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.



89.6330, 0.3135, 0.3127



87.6656, 0.3137, 0.3094



89.0999, 0.3187, 0.3208



18.2998, 0.3138, 0.3056



14.8669, 0.3214, 0.1544



1.4477, 0.3213, 0.1544

Inverse Universe

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



89.6330, 0.3135, 0.3127



87.6656, 0.3137, 0.3094



96.3813, 0.3071, 0.3374



18.2998, 0.3138, 0.3056



14.8669, 0.3214, 0.1544



1.4477, 0.3213, 0.1544

Previews

White Background



This preview shows how the Yxy color 89.6291, 0.3135, 0.3127 looks on a white background.

Color Contrast Check

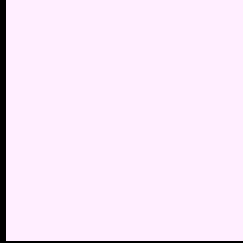
Large Text (above 18pt) WCAG AA × Fail

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 89.6291, 0.3135, 0.3127 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 89.6291, 0.3135, 0.3127

Background



This preview shows how black text looks on a background with the Yxy color 89.6291, 0.3135, 0.3127.

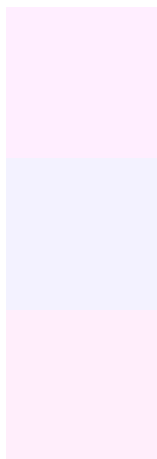


This preview shows how white text looks on a background with the Yxy color 89.6291, 0.3135, 0.3127.

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

89.6291, 0.3135, 0.3127

Protanopia

89.7789, 0.3056, 0.3162

Deuteranopia

89.3741, 0.3159, 0.3165



Tritanopia

89.4399, 0.3128, 0.3126

Trichromacy



Original Color

89.6291, 0.3135, 0.3127

Protanomaly

89.9048, 0.3082, 0.3153

Deuteranomaly

89.4373, 0.3153, 0.3155

Tritanomaly

89.4399, 0.3128, 0.3126

Monochromacy



Original Color

89.6291, 0.3135, 0.3127

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

90.4836, 0.3130, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6291, 0.3135, 0.3127 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.6291, 0.3135, 0.3127 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, 238, 255) }
```

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

```
.border{ border-color:rgb(255, 238, 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, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6291, 0.3135, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 255) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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