

Converting Colors

$Y_{xy}(135.7263, 0.3623, 0.4885)$

Have a look what the booklet for
Yxy(135.7263, 0.3623, 0.4885)
contains.

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Color

Yxy(93.5877, 0.3832, 0.4514)

Conversions

Conversions Part 1

Format	Color
Hex	FBFF80
RGB	251, 255, 128
RGB Percent	98%, 100%, 50%
CMY	0.0156, 0.0000, 0.4981
CMYK	0.02, 0.00, 0.50, 0.00
HSL	62°, 100%, 75%
HSV	62°, 50%, 100%
XYZ	79.4480, 93.5877, 34.2920
YIQ	239.3260, 38.3830, -40.3450

Conversions

Conversions Part 2

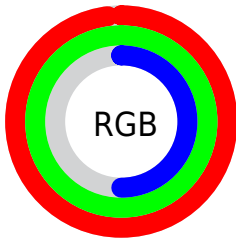
Format	Color
R _Y B	128, 255, 132
Decimal	16514944
CIE Lab	97.47, -18.08, 59.56
CIE LCh	97, 62.240, 106.886
Yxy	93.5877, 0.3832, 0.4514
Android (android.graphics.Color)	4294705024 (0xFFFBFF80)
YUV	239.3260, -54.8837, 10.2381
Hunter-Lab	96.7407, -22.7039, 46.7018

Details

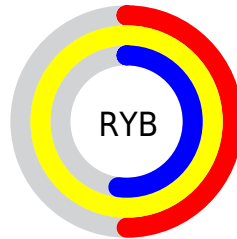
The Yxy color **93.5877, 0.3832, 0.4514** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **27.5551, 0.2192, 0.1713**, and the grayscale version is **87.0024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **52.0890, 0.3942, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **92.8553, 0.3942, 0.4712**, and if you desaturate by 10%, it is **94.4980, 0.3704, 0.4287**.

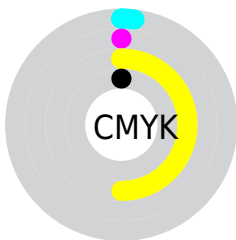
Distribution



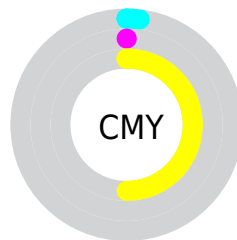
- Red (98%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (52%)



- Cyan (2%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.5877, 0.3832, 0.4514 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 93.5877, 0.3832, 0.4514 by changing the saturation by 10% instead.

 93.5877, 0.3832,
0.4514


 93.5877, 0.3832,
0.4514


539.6337, 0.3549,
0.3975

 70.9601, 0.3884,
0.4627


 152.3120, 0.3744,
0.4335

 52.3096, 0.3942,
0.4760

 189.1775, 0.3706,
0.4263

 37.2519, 0.4004,
0.4918


 231.5577, 0.3673,
0.4199

 25.4026, 0.4068,
0.5105

279.8371, 0.3643,
0.4144

 16.3773, 0.4124,
0.5327

334.3999, 0.3616,
0.4094

 9.7915, 0.4179,
0.5618

395.6307, 0.3591,

 5.2609, 0.4121,

0.4050

0.5879

463.9139, 0.3569,
0.4010

■ 2.4012, 0.3888,
0.6112

■ 0.8265, 0.2940,
0.7060

■ 93.5877, 0.3832,
0.4514

■ 93.5877, 0.3832,
0.4514

■ 92.8553, 0.3942,
0.4712

■ 94.4980, 0.3704,
0.4287

■ 92.2751, 0.4030,
0.4872

■ 95.5848, 0.3563,
0.4042

■ 91.8365, 0.4091,
0.4989

■ 96.8630, 0.3416,
0.3787

■ 91.5221, 0.4126,
0.5061

■ 98.3424, 0.3269,
0.3533

■ 91.3036, 0.4138,
0.5096

99.9984, 0.3127,
0.3290

■ 91.2998, 0.4138,
0.5096

Harmonies

Analogous

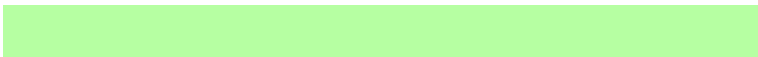
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5877, 0.4326, 0.4179



93.5877, 0.3832, 0.4514



93.5877, 0.3180, 0.4482

Triad

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



93.5877, 0.3832, 0.4514



93.5877, 0.1924, 0.2659



93.5877, 0.3656, 0.2709

Complementary

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



93.5877, 0.3832, 0.4514



27.5551, 0.2192, 0.1713

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.



93.5877, 0.2950, 0.2378



93.5877, 0.3832, 0.4514



93.5877, 0.2016, 0.2316

Square

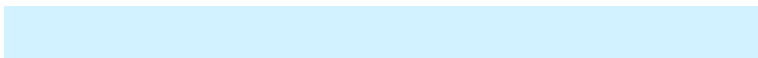
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.5877, 0.3832, 0.4514



93.5877, 0.2102, 0.3264



93.5877, 0.2367, 0.2234



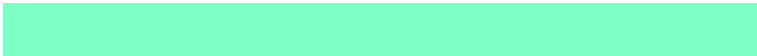
93.5877, 0.4252, 0.3169

Rectangle

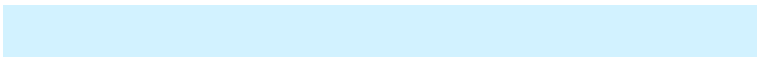
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.5877, 0.3832, 0.4514



93.5877, 0.2744, 0.4195



93.5877, 0.2367, 0.2234



93.5877, 0.3419, 0.2581

Sweetspot

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



93.5920, 0.3832, 0.4514



97.5511, 0.3345, 0.3664



38.8096, 0.4539, 0.3316



20.8144, 0.3376, 0.3718



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

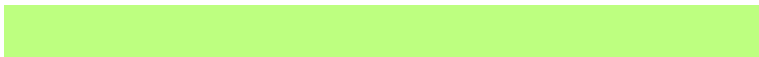
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.5920, 0.3832, 0.4514



92.8449, 0.3944, 0.4715



83.9432, 0.3410, 0.4713



21.0601, 0.3264, 0.3525



47.7201, 0.4139, 0.5096



4.6551, 0.4146, 0.5090

Inverse Universe

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



27.5551, 0.2192, 0.1713



19.8346, 0.1981, 0.1362



34.0713, 0.2652, 0.1886



17.4048, 0.2983, 0.3044



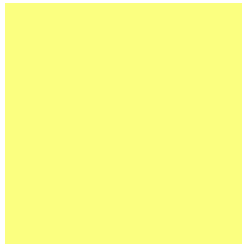
3.8111, 0.1509, 0.0605



0.3802, 0.1531, 0.0617

Previews

White Background



This preview shows how the Yxy color 93.5877, 0.3832, 0.4514 looks on a white background.

Color Contrast Check

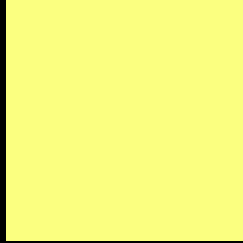
Large Text (above 18pt) WCAG AA × Fail

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 93.5877, 0.3832, 0.4514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

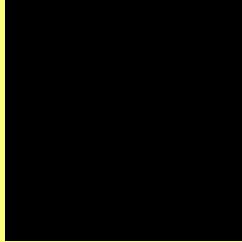
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.5877, 0.3832, 0.4514

Background



This preview shows how black text looks on a background with the Yxy color 93.5877, 0.3832, 0.4514.

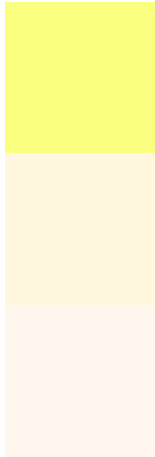


This preview shows how white text looks on a background with the Yxy color 93.5877, 0.3832, 0.4514.

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

93.5877, 0.3832, 0.4514

Protanopia

93.6687, 0.3330, 0.3545

Deuteranopia

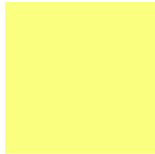
93.2860, 0.3240, 0.3378



Tritanopia

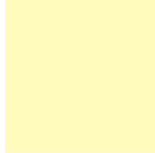
93.6567, 0.3144, 0.3213

Trichromacy



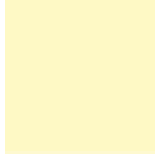
Original Color

93.5877, 0.3832, 0.4514



Protanomaly

93.6960, 0.3528, 0.3915



Deuteranomaly

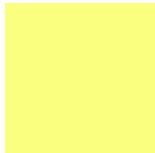
92.8534, 0.3477, 0.3806



Tritanomaly

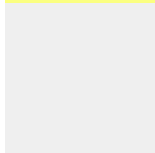
93.3763, 0.3409, 0.3696

Monochromacy



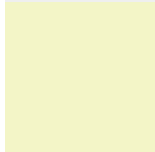
Original Color

93.5877, 0.3832, 0.4514



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.4830, 0.3397, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.5877, 0.3832, 0.4514 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(251, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 128)  
}
```

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(251, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 128) }
```

Border

The CSS property to change the border of an element to Yxy 93.5877, 0.3832, 0.4514 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(251, 255, 128) }
```

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

```
.border{ border-color:rgb(251, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 93.5877, 0.3832, 0.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 128) }
```

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

```
.background{ background-color: rgb(251,  
255, 128) }
```

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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