

Converting Colors

$Y_{xy}(93.1333, 0.3655, 0.4311)$

Have a look what the booklet for
Yxy(93.1333, 0.3655, 0.4311)
contains.

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Color

Yxy(93.0530, 0.3652, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	F4FF99
RGB	244, 255, 153
RGB Percent	96%, 100%, 60%
CMY	0.0432, 0.0000, 0.4001
CMYK	0.04, 0.00, 0.40, 0.00
HSL	66°, 100%, 80%
HSV	66°, 40%, 100%
XYZ	78.8102, 93.0530, 43.9369
YIQ	240.0830, 26.1860, -34.0540

Conversions

Conversions Part 2

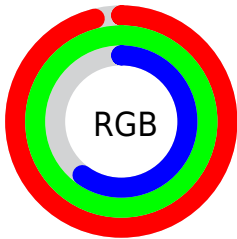
Format	Color
R_{YB}	153, 255, 164
Decimal	16056217
CIE _{Lab}	97.25, -18.41, 47.46
CIE _{LCh}	97, 50.909, 111.199
Yxy	93.0530, 0.3652, 0.4312
Android (android.graphics.Color)	4294246297 (0xFFFF4FF99)
YUV	240.0830, -42.9319, 3.4352
Hunter-Lab	96.4640, -22.9791, 40.5197

Details

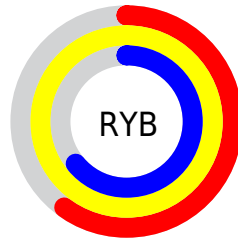
The Yxy color **93.0530, 0.3652, 0.4312** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.8916, 0.2456, 0.2080**, and the grayscale version is **87.5247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **51.7474, 0.3740, 0.4528** is the 20% darker color. If you saturate the color by 10%, you get **91.8042, 0.3766, 0.4551**, and if you desaturate by 10%, it is **94.4790, 0.3526, 0.4057**.

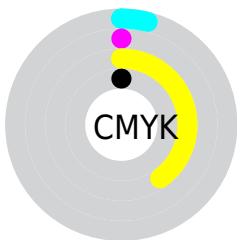
Distribution



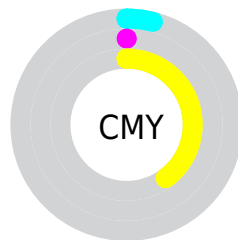
- Red (96%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (64%)



- Cyan (4%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.0530, 0.3652, 0.4312 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 93.0530, 0.3652, 0.4312 by changing the saturation by 10% instead.


 93.0530, 0.3652,
0.4312

 93.0530, 0.3652,
0.4312


537.9129, 0.3436,
0.3853

 70.5156, 0.3694,
0.4412


 151.5720, 0.3583,
0.4157

 51.9470, 0.3742,
0.4531


 188.3223, 0.3554,
0.4095

 36.9628, 0.3796,
0.4677


230.5791, 0.3529,
0.4041

 25.1787, 0.3856,
0.4858

278.7266, 0.3506,
0.3994

 16.2102, 0.3918,
0.5085

333.1494, 0.3486,
0.3953

 9.6730, 0.3972,
0.5370

394.2318, 0.3468,

 5.1827, 0.4103,

0.3916

0.5897

462.3581, 0.3451,
0.3883

■ 2.3549, 0.3862,
0.6138

■ 0.8025, 0.2808,
0.7192

■ 93.0530, 0.3652,
0.4312

■ 93.0530, 0.3652,
0.4312

■ 91.8042, 0.3766,
0.4551

■ 94.4790, 0.3526,
0.4057

■ 90.7362, 0.3862,
0.4763

■ 96.1082, 0.3393,
0.3797

■ 89.8311, 0.3935,
0.4938

■ 97.9451, 0.3259,
0.3539

■ 89.0741, 0.3982,
0.5071

99.9988, 0.3127,
0.3290

■ 88.4473, 0.4002,
0.5158

100.0000, 0.3127,
0.3290

■ 87.9224, 0.4001,
0.5205

Harmonies

Analogous

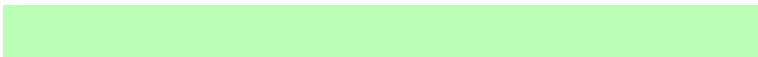
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0530, 0.4081, 0.4095



93.0530, 0.3652, 0.4312



93.0530, 0.3104, 0.4211

Triad

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



93.0530, 0.3652, 0.4312



93.0530, 0.2113, 0.2723



93.0530, 0.3645, 0.2857

Complementary

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



93.0530, 0.3652, 0.4312



37.8916, 0.2456, 0.2080

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.



93.0530, 0.3068, 0.2554



93.0530, 0.3652, 0.4312



93.0530, 0.2224, 0.2456

Square

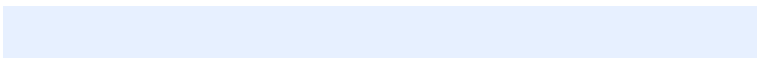
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.0530, 0.3652, 0.4312



93.0530, 0.2237, 0.3199



93.0530, 0.2557, 0.2408



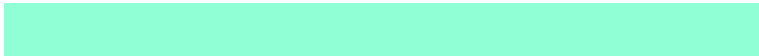
93.0530, 0.4097, 0.3263

Rectangle

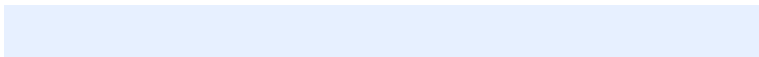
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.0530, 0.3652, 0.4312



93.0530, 0.2748, 0.3949



93.0530, 0.2557, 0.2408



93.0530, 0.3456, 0.2741

Sweetspot

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



93.0479, 0.3652, 0.4312



97.5617, 0.3286, 0.3590



49.8204, 0.4103, 0.3400



20.8295, 0.3303, 0.3623



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

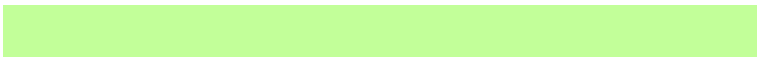
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0479, 0.3652, 0.4312



92.0391, 0.3744, 0.4505



85.2612, 0.3315, 0.4436



20.9852, 0.3252, 0.3526



45.9815, 0.4004, 0.5203



4.5044, 0.4027, 0.5185

Inverse Universe

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



37.8916, 0.2456, 0.2080



29.9811, 0.2294, 0.1800



44.3232, 0.2837, 0.2198



17.4717, 0.2995, 0.3045



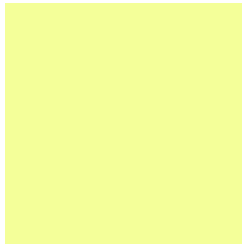
3.9285, 0.1537, 0.0620



0.4118, 0.1606, 0.0658

Previews

White Background



This preview shows how the Yxy color 93.0530, 0.3652, 0.4312 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 93.0530, 0.3652, 0.4312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

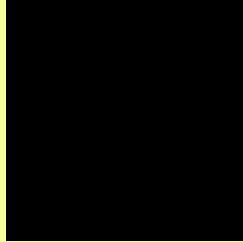
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.0530, 0.3652, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 93.0530, 0.3652, 0.4312.

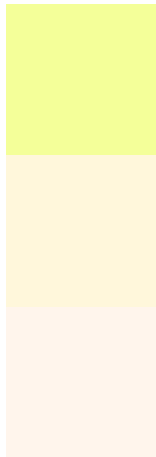


This preview shows how white text looks on a background with the Yxy color 93.0530, 0.3652, 0.4312.

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

93.0530, 0.3652, 0.4312

Protanopia

92.8960, 0.3350, 0.3566

Deuteranopia

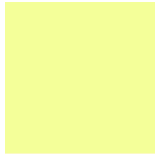
92.6209, 0.3247, 0.3378



Tritanopia

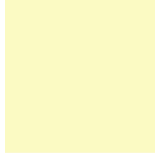
92.8040, 0.3119, 0.3184

Trichromacy



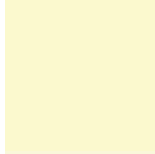
Original Color

93.0530, 0.3652, 0.4312



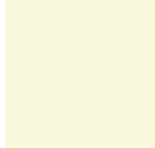
Protanomaly

92.8206, 0.3467, 0.3839



Deuteranomaly

92.7168, 0.3401, 0.3719



Tritanomaly

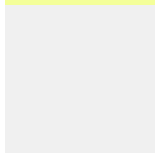
92.5208, 0.3322, 0.3588

Monochromacy



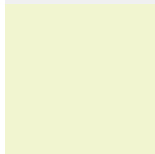
Original Color

93.0530, 0.3652, 0.4312



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.5597, 0.3327, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0530, 0.3652, 0.4312 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(244, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 153)  
}
```

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(244, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 93.0530, 0.3652, 0.4312 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(244, 255, 153) }
```

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

```
.border{ border-color:rgb(244, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0530, 0.3652, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 153) }
```

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

```
.background{ background-color: rgb(244,  
255, 153) }
```

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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