

Converting Colors

$Y_{xy}(253.6009, 0.3618, 0.4730)$

Have a look what the booklet for
Yxy(253.6009, 0.3618, 0.4730)
contains.

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Color

Yxy(96.5858, 0.3502, 0.3910)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFC0
RGB	255, 255, 192
RGB Percent	100%, 100%, 75%
CMY	0.0001, 0.0000, 0.2472
CMYK	0.00, 0.00, 0.25, 0.00
HSL	60°, 100%, 88%
HSV	60°, 25%, 100%
XYZ	86.5073, 96.5858, 63.9294
YIQ	247.8180, 20.2230, -19.5930

Conversions

Conversions Part 2

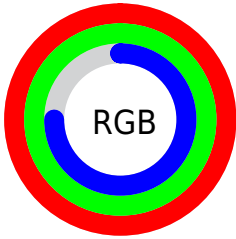
Format	Color
R _Y B	192, 255, 192
Decimal	16777152
CIE Lab	98.66, -9.69, 30.22
CIE LCh	99, 31.740, 107.777
Yxy	96.5858, 0.3502, 0.3910
Android (android.graphics.Color)	4294967232 (0xFFFFFFFFC0)
YUV	247.8180, -27.5183, 6.2986
Hunter-Lab	98.2781, -14.8656, 30.2268

Details

The Yxy color **96.5858, 0.3502, 0.3910** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.1059, 0.2701, 0.2585**, and the grayscale version is **93.9219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **54.2289, 0.3580, 0.4039** is the 20% darker color. If you saturate the color by 10%, you get **95.5468, 0.3652, 0.4158**, and if you desaturate by 10%, it is **97.8124, 0.3349, 0.3656**.

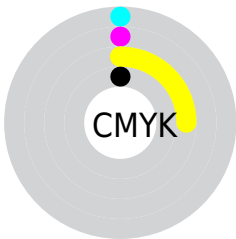
Distribution



- Red (100%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.5858, 0.3502, 0.3910 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 96.5858, 0.3502, 0.3910 by changing the saturation by 10% instead.

 96.5858, 0.3502,
0.3910

 96.5858, 0.3502,
0.3910


549.2294, 0.3341,
0.3634

 73.4555, 0.3536,
0.3970

 156.4536, 0.3449,
0.3816

 54.3485, 0.3575,
0.4043


193.9600, 0.3427,
0.3779

 38.8804, 0.3624,
0.4133

237.0272, 0.3409,
0.3747

 26.6667, 0.3682,
0.4246

286.0396, 0.3392,
0.3719

 17.3230, 0.3755,
0.4393

341.3816, 0.3377,
0.3694

 10.4651, 0.3845,
0.4589


403.4377, 0.3364,


 5.7084, 0.3955,


0.3672


0.4859


472.5921, 0.3352,
0.3652

 2.6686, 0.4251,
0.5469


 0.9613, 0.4126,
0.5874


 96.5858, 0.3502,
0.3910


 96.5858, 0.3502,
0.3910

 95.5468, 0.3652,
0.4158


 97.8124, 0.3349,
0.3656

 94.6976, 0.3793,
0.4391

 99.2483, 0.3197,
0.3406

 94.0231, 0.3919,
0.4600

100.0000, 0.3127,
0.3290

 93.5112, 0.4024,
0.4773

■ 93.1481, 0.4104,
0.4906

■ 92.9179, 0.4158,
0.4994

■ 92.8010, 0.4185,
0.5041

■ 92.7702, 0.4193,
0.5053

Harmonies

Analogous

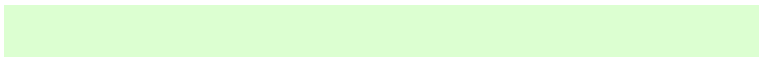
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.5858, 0.3746, 0.3785



96.5858, 0.3502, 0.3910



96.5858, 0.3165, 0.3855

Triad

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



96.5858, 0.3502, 0.3910



96.5858, 0.2480, 0.2978



96.5858, 0.3411, 0.2990

Complementary

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



96.5858, 0.3502, 0.3910



56.1059, 0.2701, 0.2585

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.



96.5858, 0.3058, 0.2799



96.5858, 0.3502, 0.3910



96.5858, 0.2535, 0.2779

Square

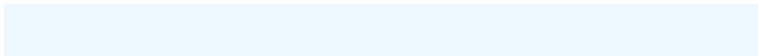
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



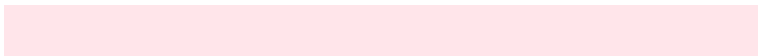
96.5858, 0.3502, 0.3910



96.5858, 0.2584, 0.3286



96.5858, 0.2741, 0.2720



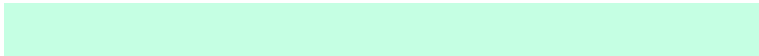
96.5858, 0.3697, 0.3255

Rectangle

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



96.5858, 0.3502, 0.3910



96.5858, 0.2937, 0.3713



96.5858, 0.2741, 0.2720



96.5858, 0.3295, 0.2916

Sweetspot

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



96.5817, 0.3502, 0.3910



98.9025, 0.3231, 0.3462



62.7468, 0.3651, 0.3292



21.1500, 0.3240, 0.3477



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

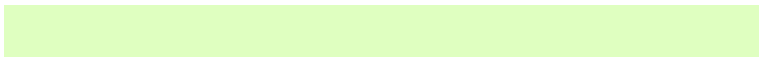
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.5817, 0.3502, 0.3910



96.0115, 0.3582, 0.4042



91.0886, 0.3293, 0.3954



21.0906, 0.3269, 0.3525



48.4745, 0.4193, 0.5053



4.7199, 0.4193, 0.5053

Inverse Universe

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



56.1059, 0.2701, 0.2585



48.7862, 0.2594, 0.2408



60.6672, 0.2922, 0.2627



17.3780, 0.2978, 0.3044



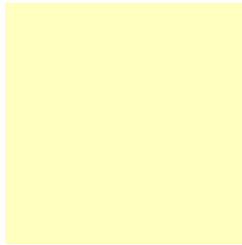
3.7729, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 96.5858, 0.3502, 0.3910 looks on a white background.

Color Contrast Check

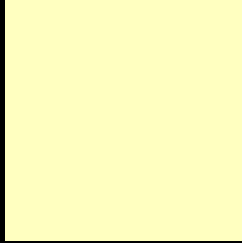
Large Text (above 18pt) WCAG AA × Fail

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 96.5858, 0.3502, 0.3910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

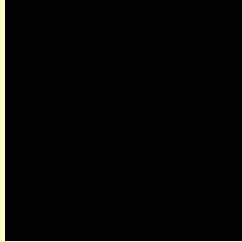
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.5858, 0.3502, 0.3910

Background



This preview shows how black text looks on a background with the Yxy color 96.5858, 0.3502, 0.3910.

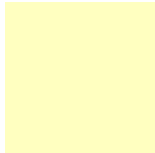


This preview shows how white text looks on a background with the Yxy color 96.5858, 0.3502, 0.3910.

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

96.5858, 0.3502, 0.3910



Protanopia

96.5456, 0.3218, 0.3396

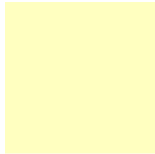
Deuteranopia

96.3466, 0.3177, 0.3319

Tritanopia

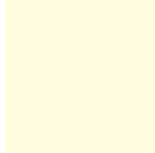
96.8512, 0.3129, 0.3242

Trichromacy



Original Color

96.5858, 0.3502, 0.3910



Protanomaly

96.2085, 0.3319, 0.3573



Deuteranomaly

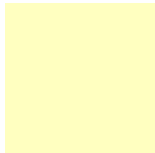
96.4269, 0.3295, 0.3534



Tritanomaly

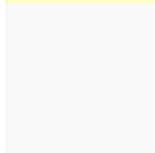
96.7070, 0.3265, 0.3484

Monochromacy



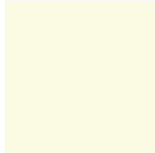
Original Color

96.5858, 0.3502, 0.3910



Achromatopsia

93.8686, 0.3127, 0.3290



Achromatomaly

95.1050, 0.3264, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.5858, 0.3502, 0.3910 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, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 192)  
}
```

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, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 192) }
```

Border

The CSS property to change the border of an element to Yxy 96.5858, 0.3502, 0.3910 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, 255, 192) }
```

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

```
.border{ border-color:rgb(255, 255, 192) }
```

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

Here you see how a box with a 4 pixel rgb(255, 255, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 96.5858, 0.3502, 0.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 192) }
```

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

```
.background{ background-color: rgb(255,  
255, 192) }
```

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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