

Converting Colors

$Y_{xy}(100.0000, 0.3654, 0.4160)$

Have a look what the booklet for
Yxy(100.0000, 0.3654, 0.4160)
contains.

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Color

Yxy(95.6823, 0.3632, 0.4124)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFFFAA |
| RGB | 255, 255, 170 |
| RGB Percent | 100%, 100%, 67% |
| CMY | 0.0000, 0.0000, 0.3333 |
| CMYK | 0.00, 0.00, 0.33, 0.00 |
| HSL | 60°, 100%, 83% |
| HSV | 60°, 33%, 100% |
| XYZ | 84.2672, 95.6823, 52.0638 |
| YIQ | 245.3100, 27.2850, -26.4350 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 170, 255, 170 |
| Decimal | 16777130 |
| CIE _{Lab} | 98.31, -12.36, 40.68 |
| CIE _{LCh} | 98, 42.522, 106.903 |
| Yxy | 95.6823, 0.3632, 0.4124 |
| Android (android.graphics.Color) | 4294967210 (0xFFFFFFFFAA) |
| YUV | 245.3100, -37.1278, 8.4981 |
| Hunter-Lab | 97.8173, -17.4069, 36.9147 |

Details

The Yxy color **95.6823, 0.3632, 0.4124** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.5252, 0.2524, 0.2293**, and the grayscale version is **91.8594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **53.5428, 0.3724, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **94.8047, 0.3774, 0.4360**, and if you desaturate by 10%, it is **96.7410, 0.3481, 0.3875**.

Distribution



- Red (100%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.6823, 0.3632, 0.4124 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 95.6823, 0.3632, 0.4124 by changing the saturation by 10% instead.


 95.6823, 0.3632,
0.4124

 95.6823, 0.3632,
0.4124


546.3470, 0.3419,
0.3753

 72.7030, 0.3675,
0.4204


 155.2069, 0.3562,
0.3999

 53.7331, 0.3726,
0.4301


192.5210, 0.3534,
0.3949

 38.3883, 0.3785,
0.4418


235.3821, 0.3509,
0.3906

 26.2842, 0.3855,
0.4565

284.1746, 0.3487,
0.3868

 17.0364, 0.3937,
0.4750

339.2830, 0.3467,
0.3834

 10.2604, 0.4029,
0.4989

401.0916, 0.3450,

 5.5720, 0.4137,

0.3804

0.5321

469.9848, 0.3434,
0.3777

■ 2.5866, 0.4224,
0.5776

■ 0.9199, 0.3835,
0.6165

■ 95.6823, 0.3632,
0.4124

■ 95.6823, 0.3632,
0.4124

■ 94.8047, 0.3774,
0.4360

■ 96.7410, 0.3481,
0.3875

■ 94.1065, 0.3903,
0.4572

■ 97.9998, 0.3327,
0.3621

■ 93.5726, 0.4011,
0.4751

■ 99.4652, 0.3176,
0.3371

■ 93.1896, 0.4095,
0.4890

100.0000, 0.3127,
0.3290

■ 92.9419, 0.4152,
0.4984

■ 92.8105, 0.4183,
0.5036

■ 92.7692, 0.4193,
0.5052

Harmonies

Analogous

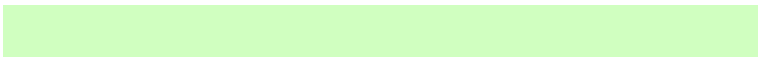
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.6823, 0.3960, 0.3931



95.6823, 0.3632, 0.4124



95.6823, 0.3183, 0.4071

Triad

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



95.6823, 0.3632, 0.4124



95.6823, 0.2275, 0.2873



95.6823, 0.3492, 0.2884

Complementary

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



95.6823, 0.3632, 0.4124



44.5252, 0.2524, 0.2293

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.



95.6823, 0.3015, 0.2641



95.6823, 0.3632, 0.4124



95.6823, 0.2342, 0.2614

Square

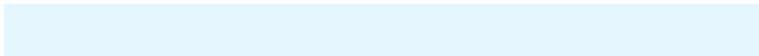
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.6823, 0.3632, 0.4124



95.6823, 0.2414, 0.3289



95.6823, 0.2601, 0.2541



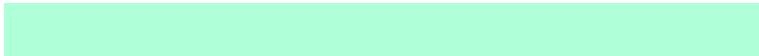
95.6823, 0.3887, 0.3223

Rectangle

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



95.6823, 0.3632, 0.4124



95.6823, 0.2878, 0.3881



95.6823, 0.2601, 0.2541



95.6823, 0.3334, 0.2790

Sweetspot

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



95.6793, 0.3632, 0.4124



98.4640, 0.3277, 0.3537



52.9721, 0.3898, 0.3277



21.0328, 0.3298, 0.3573



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

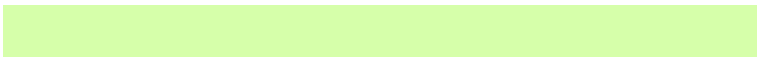
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.6793, 0.3632, 0.4124



95.0756, 0.3728, 0.4284



88.7076, 0.3354, 0.4207



21.0906, 0.3269, 0.3525



48.4740, 0.4193, 0.5052



4.7198, 0.4193, 0.5052

Inverse Universe

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



44.5252, 0.2524, 0.2293



36.7770, 0.2381, 0.2057



49.8377, 0.2821, 0.2370



17.3780, 0.2978, 0.3044



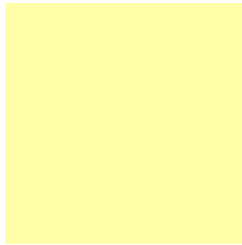
3.7729, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 95.6823, 0.3632, 0.4124 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 95.6823, 0.3632, 0.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

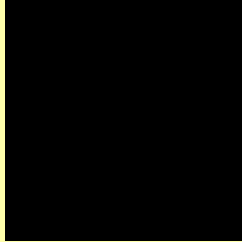
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 95.6823, 0.3632, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 95.6823, 0.3632, 0.4124.



This preview shows how white text looks on a background with the Yxy color 95.6823, 0.3632, 0.4124.

Color Blindness Simulation

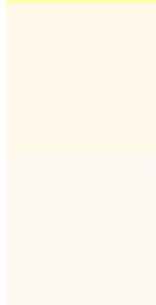
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

95.6823, 0.3632, 0.4124



Protanopia

95.5717, 0.3255, 0.3446

Deuteranopia

95.5430, 0.3195, 0.3338

Tritanopia

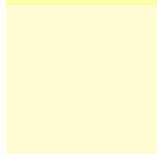
95.5506, 0.3136, 0.3233

Trichromacy



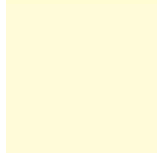
Original Color

95.6823, 0.3632, 0.4124



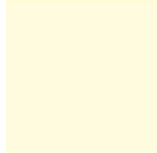
Protanomaly

95.5840, 0.3392, 0.3693



Deuteranomaly

95.2641, 0.3357, 0.3623



Tritanomaly

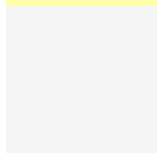
95.5821, 0.3320, 0.3564

Monochromacy



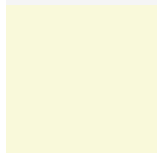
Original Color

95.6823, 0.3632, 0.4124



Achromatopsia

91.3099, 0.3127, 0.3290



Achromatomaly

92.9531, 0.3314, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.6823, 0.3632, 0.4124 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 170) }
```

Border

The CSS property to change the border of an element to Yxy 95.6823, 0.3632, 0.4124 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, 170) }
```

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

```
.border{ border-color:rgb(255, 255, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 95.6823, 0.3632, 0.4124 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, 170) }
```

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

```
.background{ background-color: rgb(255,  
255, 170) }
```

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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