

Converting Colors

$Y_{xy}(100.0000, 0.3302, 0.3702)$

Have a look what the booklet for
Yxy(100.0000, 0.3302, 0.3702)
contains.

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Color

Yxy(96.7217, 0.3306, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFDA
RGB	249, 255, 218
RGB Percent	98%, 100%, 85%
CMY	0.0238, 0.0000, 0.1452
CMYK	0.02, 0.00, 0.15, 0.00
HSL	70°, 100%, 93%
HSV	70°, 15%, 100%
XYZ	87.4622, 96.7217, 80.3721
YIQ	248.9880, 8.3010, -12.7790

Conversions

Conversions Part 2

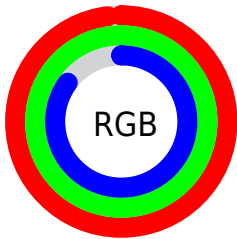
Format	Color
R _Y B	218, 255, 224
Decimal	16383962
CIE Lab	98.72, -8.15, 17.04
CIE LCh	99, 18.887, 115.549
Yxy	96.7217, 0.3306, 0.3656
Android (android.graphics.Color)	4294574042 (0xFFF9FFDA)
YUV	248.9880, -15.2771, 0.0105
Hunter-Lab	98.3472, -13.3638, 20.3896

Details

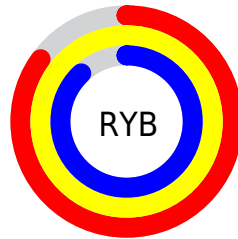
The Yxy color **96.7217, 0.3306, 0.3656** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.2048, 0.2932, 0.2906**, and the grayscale version is **94.8245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.2390, 0.3340, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **94.7164, 0.3430, 0.3919**, and if you desaturate by 10%, it is **98.9238, 0.3182, 0.3401**.

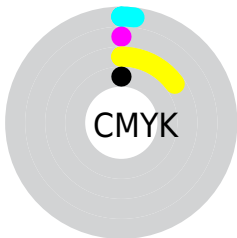
Distribution



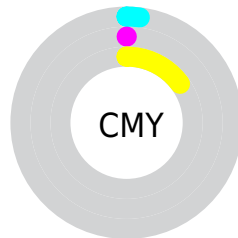
- Red (98%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (88%)



- Cyan (2%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.7217, 0.3306, 0.3656 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 96.7217, 0.3306, 0.3656 by changing the saturation by 10% instead.

 96.7217, 0.3306,
0.3656

 96.7217, 0.3306,
0.3656


549.6622, 0.3229,
0.3493

 73.5688, 0.3322,
0.3692

156.6411, 0.3280,
0.3601

 54.4412, 0.3342,
0.3735


194.1763, 0.3270,
0.3579

 38.9545, 0.3366,
0.3790


237.2744, 0.3261,
0.3560

 26.7243, 0.3396,
0.3859

286.3198, 0.3253,
0.3543

 17.3663, 0.3435,
0.3950

341.6969, 0.3246,
0.3528

 10.4960, 0.3485,
0.4074

403.7901, 0.3240,

 5.7290, 0.3554,

0.3515

0.4256

472.9837, 0.3234,
0.3503

■ 2.6810, 0.3649,
0.4541

■ 0.9676, 0.4261,
0.5739

■ 96.7217, 0.3306,
0.3656

■ 96.7217, 0.3306,
0.3656

■ 94.7164, 0.3430,
0.3919

■ 98.9238, 0.3182,
0.3401

■ 92.9369, 0.3550,
0.4184

100.0000, 0.3127,
0.3290

■ 91.3602, 0.3661,
0.4441

■ 89.9751, 0.3758,
0.4679

■ 88.7695, 0.3834,
0.4887

■ 87.7295, 0.3885,
0.5056

■ 86.8391, 0.3910,
0.5179

■ 86.0787, 0.3909,
0.5257

■ 85.7018, 0.3901,
0.5284

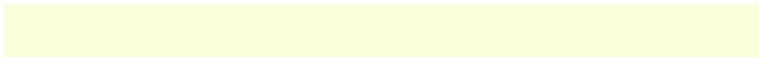
Harmonies

Analogous

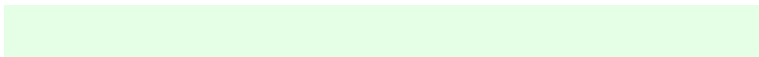
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.7217, 0.3468, 0.3616



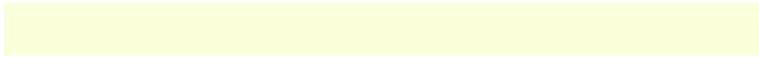
96.7217, 0.3306, 0.3656



96.7217, 0.3100, 0.3590

Triad

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



96.7217, 0.3306, 0.3656



96.7217, 0.2733, 0.3070



96.7217, 0.3347, 0.3148

Complementary

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



96.7217, 0.3306, 0.3656



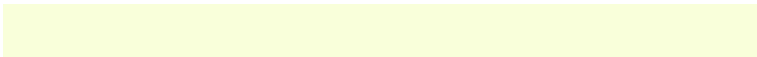
73.2048, 0.2932, 0.2906

Split Complementary

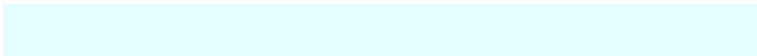
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.7217, 0.3144, 0.3014



96.7217, 0.3306, 0.3656



96.7217, 0.2793, 0.2965

Square

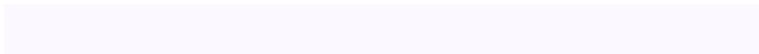
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



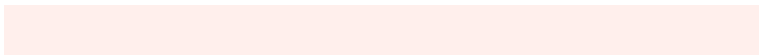
96.7217, 0.3306, 0.3656



96.7217, 0.2774, 0.3242



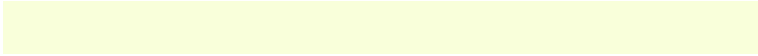
96.7217, 0.2942, 0.2947



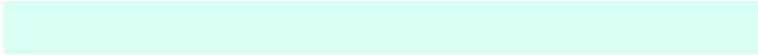
96.7217, 0.3493, 0.3320

Rectangle

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



96.7217, 0.3306, 0.3656



96.7217, 0.2966, 0.3494



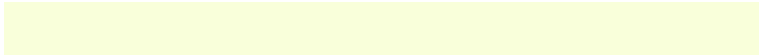
96.7217, 0.2942, 0.2947



96.7217, 0.3283, 0.3097

Sweetspot

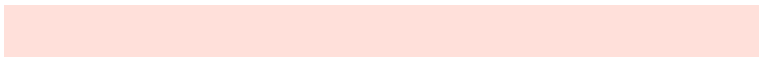
The Sweet Spot groups the original color and five complimentary colors.



96.7089, 0.3306, 0.3656



99.0449, 0.3176, 0.3388



79.3802, 0.3390, 0.3347



21.1621, 0.3185, 0.3407



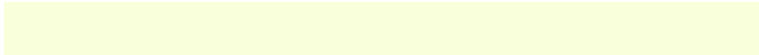
0.0000, 0.0000, 0.0000



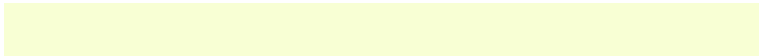
21.4041, 0.3127, 0.3290

Same Dimension

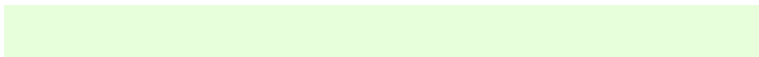
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.7089, 0.3306, 0.3656



96.1941, 0.3337, 0.3721



93.5589, 0.3190, 0.3669



20.9313, 0.3244, 0.3527



44.8370, 0.3906, 0.5280



4.4040, 0.3941, 0.5253

Inverse Universe

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



73.2048, 0.2932, 0.2906



69.1534, 0.2895, 0.2834



76.2358, 0.3054, 0.2920



17.5206, 0.3004, 0.3046



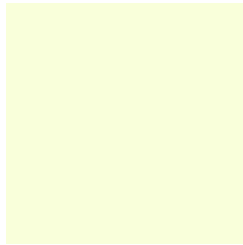
4.0689, 0.1569, 0.0638



0.4347, 0.1658, 0.0687

Previews

White Background



This preview shows how the Yxy color 96.7217, 0.3306, 0.3656 looks on a white background.

Color Contrast Check

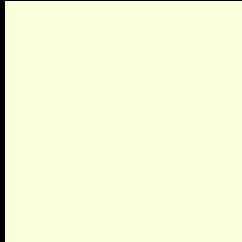
Large Text (above 18pt) WCAG AA × Fail

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 96.7217, 0.3306, 0.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

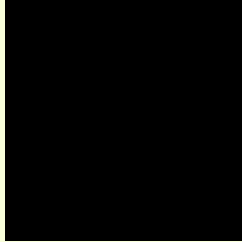
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

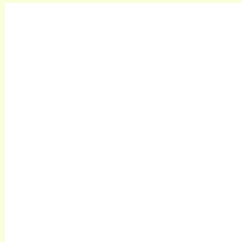
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.7217, 0.3306, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 96.7217, 0.3306, 0.3656.



This preview shows how white text looks on a background with the Yxy color 96.7217, 0.3306, 0.3656.

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

96.7217, 0.3306, 0.3656



Protanopia

96.6052, 0.3212, 0.3387

Deuteranopia

96.4085, 0.3171, 0.3309

Tritanopia

96.2867, 0.3111, 0.3242

Trichromacy



Original Color

96.7217, 0.3306, 0.3656

Protanomaly

96.3866, 0.3246, 0.3475

Deuteranomaly

96.6179, 0.3222, 0.3436

Tritanomaly

96.5408, 0.3179, 0.3387

Monochromacy



Original Color

96.7217, 0.3306, 0.3656

Achromatopsia

94.7307, 0.3127, 0.3290

Achromatomaly

95.3071, 0.3191, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.7217, 0.3306, 0.3656 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(249, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 218)  
}
```

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(249, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 96.7217, 0.3306, 0.3656 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(249, 255, 218) }
```

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

```
.border{ border-color:rgb(249, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 255, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 255, 218); box-shadow:4px 4px 4px 4px rgb(249, 255, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 96.7217, 0.3306, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 218) }
```

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

```
.background{ background-color: rgb(249,  
255, 218) }
```

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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