

Converting Colors

$Y_{xy}(89.5847, 0.3302, 0.3416)$

Have a look what the booklet for
Yxy(89.5847, 0.3302, 0.3416)
contains.

Yxy(89.7720, 0.3301, 0.3418)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.7720, 0.3301, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1E4
RGB	255, 241, 228
RGB Percent	100%, 95%, 89%
CMY	0.0000, 0.0549, 0.1058
CMYK	0.00, 0.05, 0.11, 0.00
HSL	29°, 100%, 95%
HSV	29°, 11%, 100%
XYZ	86.6991, 89.7720, 86.1738
YIQ	243.7040, 12.5170, -1.0750

Conversions

Conversions Part 2

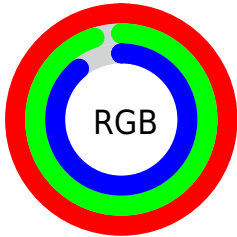
Format	Color
R_{YB}	255, 253, 228
Decimal	16773604
CIE _{Lab}	95.90, 2.57, 7.94
CIE _{LCh}	96, 8.343, 72.028
Yxy	89.7720, 0.3301, 0.3418
Android (android.graphics.Color)	4294963684 (0xFFFFF1E4)
YUV	243.7040, -7.7421, 9.9066
Hunter-Lab	94.7481, -2.4731, 12.3992

Details

The Yxy color **89.7720, 0.3301, 0.3418** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.2280, 0.2962, 0.3159**, and the grayscale version is **90.2764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7208, 0.3334, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **80.9150, 0.3490, 0.3546**, and if you desaturate by 10%, it is **99.4141, 0.3136, 0.3297**.

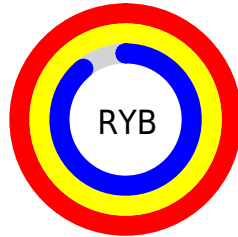
Distribution



Red (100%)

Green (95%)

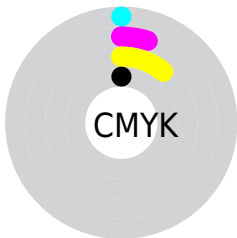
Blue (89%)



Red (100%)

Yellow (99%)

Blue (89%)

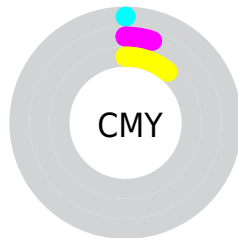


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7720, 0.3301, 0.3418 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 89.7720, 0.3301, 0.3418 by changing the saturation by 10% instead.

 89.7720, 0.3301,
0.3418

 89.7720, 0.3301,
0.3418


527.2889, 0.3223,
0.3361

 67.7916, 0.3318,
0.3430


147.0217, 0.3275,
0.3399

 49.7282, 0.3339,
0.3445


183.0596, 0.3264,
0.3391

 35.1975, 0.3365,
0.3464


224.5523, 0.3255,
0.3385

 23.8150, 0.3398,
0.3488

271.8840, 0.3247,
0.3379

 15.1965, 0.3442,
0.3519

325.4391, 0.3240,
0.3374

 8.9574, 0.3503,
0.3562

385.6020, 0.3234,

 4.7134, 0.3594,

0.3369

0.3624

452.7571, 0.3228,
0.3365

■ 2.0801, 0.3740,
0.3721

■ 0.6534, 0.4578,
0.4374

■ 89.7720, 0.3301,
0.3418

■ 89.7720, 0.3301,
0.3418

■ 80.9150, 0.3490,
0.3546

99.4141, 0.3136,
0.3297

■ 72.8102, 0.3706,
0.3678

99.9986, 0.3127,
0.3290

■ 65.4394, 0.3948,
0.3808

■ 58.7791, 0.4213,
0.3930

■ 52.8045, 0.4495,
0.4032

■ 47.4886, 0.4783,
0.4102

■ 42.8022, 0.5058,
0.4127

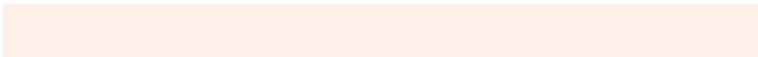
■ 38.7122, 0.5301,
0.4096

■ 35.3627, 0.5492,
0.4022

Harmonies

Analogous

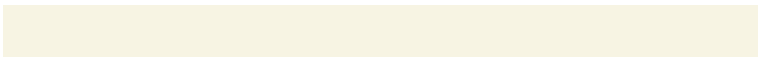
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7720, 0.3309, 0.3351



89.7720, 0.3301, 0.3418



89.7720, 0.3246, 0.3452

Triad

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



89.7720, 0.3301, 0.3418



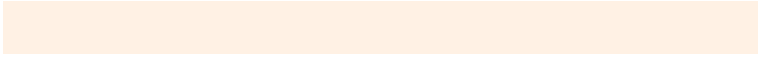
89.7720, 0.2989, 0.3310



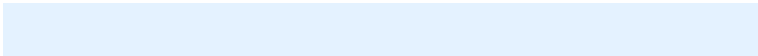
89.7720, 0.3093, 0.3144

Complementary

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



89.7720, 0.3301, 0.3418



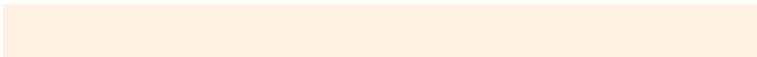
87.2280, 0.2962, 0.3159

Split Complementary

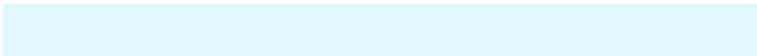
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7720, 0.3008, 0.3131



89.7720, 0.3301, 0.3418



89.7720, 0.2949, 0.3225

Square

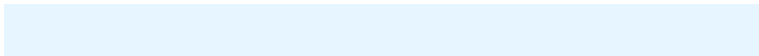
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.7720, 0.3301, 0.3418



89.7720, 0.3065, 0.3390



89.7720, 0.2956, 0.3160



89.7720, 0.3188, 0.3194

Rectangle

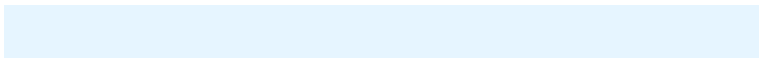
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.7720, 0.3301, 0.3418



89.7720, 0.3190, 0.3451



89.7720, 0.2956, 0.3160



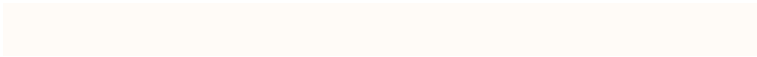
89.7720, 0.3062, 0.3135

Sweetspot

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



89.7760, 0.3301, 0.3418



97.0118, 0.3174, 0.3325



83.1943, 0.3220, 0.3149



20.5962, 0.3187, 0.3335



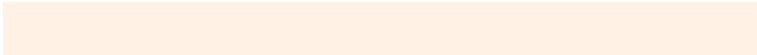
0.0000, 0.0000, 0.0000



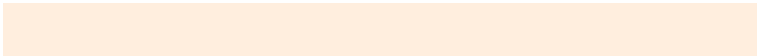
21.4041, 0.3127, 0.3290

Same Dimension

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



89.7760, 0.3301, 0.3418



87.5633, 0.3345, 0.3449



97.8043, 0.3286, 0.3543



19.4300, 0.3282, 0.3405



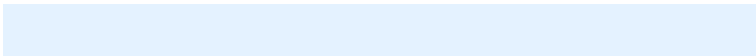
18.7745, 0.5465, 0.4043



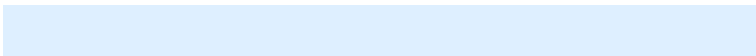
2.0454, 0.5282, 0.4188

Inverse Universe

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



87.2280, 0.2962, 0.3159



84.4835, 0.2924, 0.3126



79.7140, 0.2960, 0.3024



18.9363, 0.2979, 0.3173



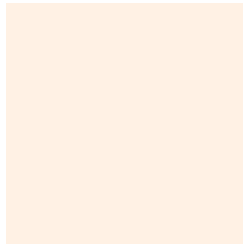
12.7312, 0.1788, 0.1636



1.4584, 0.1844, 0.1837

Previews

White Background



This preview shows how the Yxy color 89.7720, 0.3301, 0.3418 looks on a white background.

Color Contrast Check

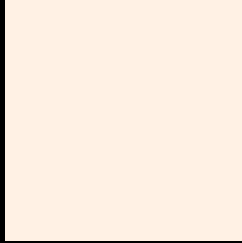
Large Text (above 18pt) WCAG AA × Fail

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 89.7720, 0.3301, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

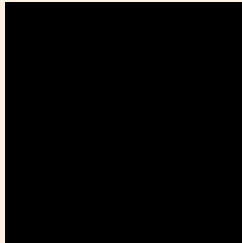
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.7720, 0.3301, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 89.7720, 0.3301, 0.3418.

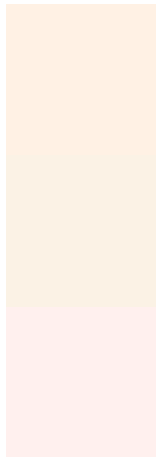


This preview shows how white text looks on a background with the Yxy color 89.7720, 0.3301, 0.3418.

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

89.7720, 0.3301, 0.3418

Protanopia

89.6706, 0.3267, 0.3419

Deuteranopia

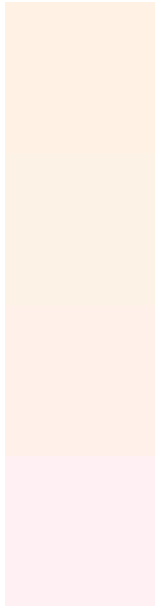
89.7532, 0.3239, 0.3310



Tritanopia

90.0213, 0.3153, 0.3165

Trichromacy



Original Color

89.7720, 0.3301, 0.3418

Protanomaly

89.8569, 0.3274, 0.3419

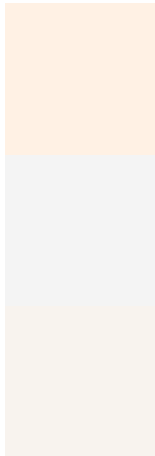
Deuteranomaly

89.5207, 0.3264, 0.3349

Tritanomaly

90.0512, 0.3208, 0.3261

Monochromacy



Original Color

89.7720, 0.3301, 0.3418

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.2307, 0.3190, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7720, 0.3301, 0.3418 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, 241, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 228)  
}
```

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, 241, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 228) }
```

Border

The CSS property to change the border of an element to Yxy 89.7720, 0.3301, 0.3418 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, 241, 228) }
```

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

```
.border{ border-color:rgb(255, 241, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7720, 0.3301, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 228) }
```

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

```
.background{ background-color: rgb(255,  
241, 228) }
```

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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