

Converting Colors

$Y_{xy}(93.0123, 0.3293, 0.3471)$

Have a look what the booklet for
Yxy(93.0123, 0.3293, 0.3471)
contains.

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Color

Yxy(92.7730, 0.3296, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6E4
RGB	255, 246, 228
RGB Percent	100%, 96%, 89%
CMY	0.0000, 0.0354, 0.1058
CMYK	0.00, 0.04, 0.11, 0.00
HSL	40°, 100%, 95%
HSV	40°, 11%, 100%
XYZ	88.2227, 92.7730, 86.6702
YIQ	246.6390, 11.1420, -3.6900

Conversions

Conversions Part 2

Format	Color
R_{YB}	242, 255, 228
Decimal	16774884
CIE _{Lab}	97.14, 0.08, 9.71
CIE _{LCh}	97, 9.708, 89.513
Yxy	92.7730, 0.3296, 0.3466
Android (android.graphics.Color)	4294964964 (0xFFFFF6E4)
YUV	246.6390, -9.1890, 7.3326
Hunter-Lab	96.3187, -5.0616, 14.0724

Details

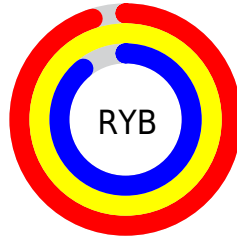
The Yxy color **92.7730, 0.3296, 0.3466** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.3097, 0.2962, 0.3108**, and the grayscale version is **92.7639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.8498, 0.3326, 0.3502** is the 20% darker color. If you saturate the color by 10%, you get **86.3812, 0.3472, 0.3640**, and if you desaturate by 10%, it is **99.5901, 0.3136, 0.3299**.

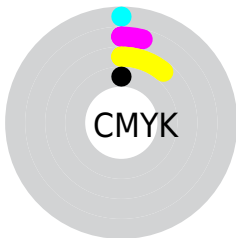
Distribution



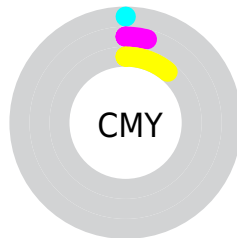
- Red (100%)
- Green (96%)
- Blue (89%)



- Red (95%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (4%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.7730, 0.3296, 0.3466 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 92.7730, 0.3296, 0.3466 by changing the saturation by 10% instead.

 92.7730, 0.3296,
0.3466

 92.7730, 0.3296,
0.3466


537.0106, 0.3221,
0.3388

 70.2828, 0.3312,
0.3483


151.1843, 0.3271,
0.3440

 51.7572, 0.3332,
0.3504


187.8742, 0.3261,
0.3429

 36.8115, 0.3357,
0.3529


230.0662, 0.3252,
0.3420

 25.0616, 0.3388,
0.3562

278.1446, 0.3244,
0.3412

 16.1230, 0.3429,
0.3605

332.4939, 0.3237,
0.3405

 9.6112, 0.3486,
0.3664

393.4984, 0.3231,

 5.1419, 0.3568,

0.3399

0.3749

461.5425, 0.3226,
0.3393

■ 2.3308, 0.3698,
0.3884

■ 0.7899, 0.4366,
0.4582

■ 92.7730, 0.3296,
0.3466

■ 92.7730, 0.3296,
0.3466

■ 86.3812, 0.3472,
0.3640

99.5901, 0.3136,
0.3299

■ 80.4349, 0.3663,
0.3818

100.0000, 0.3127,
0.3290

■ 74.9102, 0.3868,
0.3993

■ 69.7934, 0.4081,
0.4156

■ 65.0693, 0.4294,
0.4298

■ 60.7216, 0.4498,
0.4406

■ 56.7317, 0.4682,
0.4469

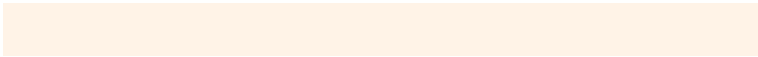
■ 53.0783, 0.4836,
0.4481

■ 49.9145, 0.4953,
0.4449

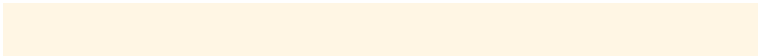
Harmonies

Analogous

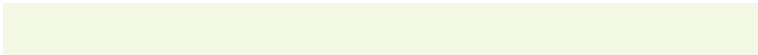
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7730, 0.3338, 0.3408



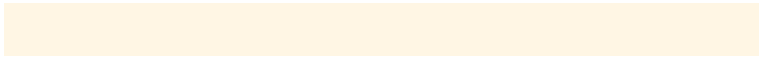
92.7730, 0.3296, 0.3466



92.7730, 0.3208, 0.3477

Triad

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



92.7730, 0.3296, 0.3466



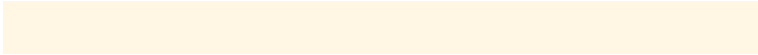
92.7730, 0.2935, 0.3254



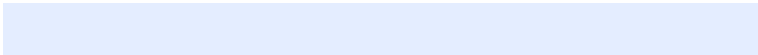
92.7730, 0.3152, 0.3151

Complementary

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



92.7730, 0.3296, 0.3466



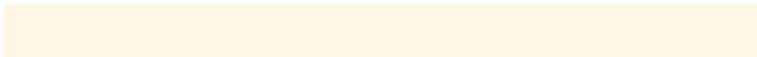
84.3097, 0.2962, 0.3108

Split Complementary

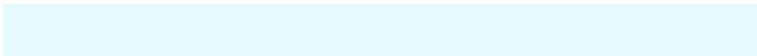
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.7730, 0.3044, 0.3110



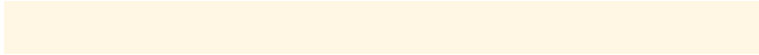
92.7730, 0.3296, 0.3466



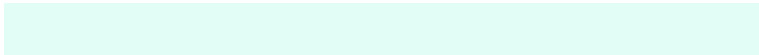
92.7730, 0.2920, 0.3168

Square

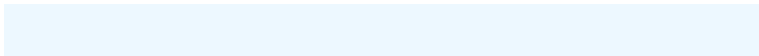
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.7730, 0.3296, 0.3466



92.7730, 0.3000, 0.3353



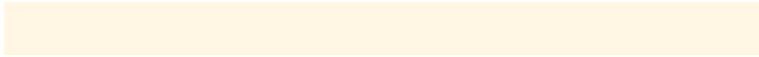
92.7730, 0.2960, 0.3116



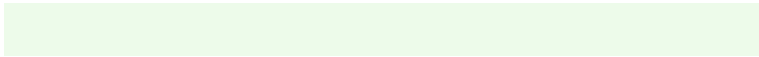
92.7730, 0.3254, 0.3227

Rectangle

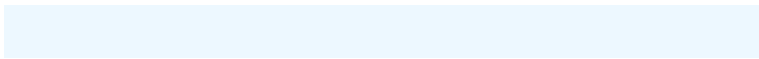
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.7730, 0.3296, 0.3466



92.7730, 0.3137, 0.3455



92.7730, 0.2960, 0.3116



92.7730, 0.3115, 0.3133

Sweetspot

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



92.7622, 0.3295, 0.3466



97.8960, 0.3173, 0.3339



82.9002, 0.3253, 0.3197



20.8349, 0.3185, 0.3352



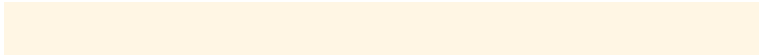
0.0000, 0.0000, 0.0000



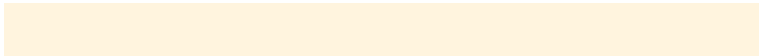
21.4041, 0.3127, 0.3290

Same Dimension

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



92.7622, 0.3295, 0.3466



91.1773, 0.3337, 0.3508



97.6232, 0.3259, 0.3554



20.0074, 0.3278, 0.3448



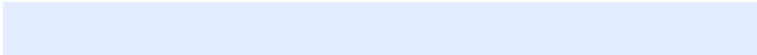
26.3677, 0.4937, 0.4462



2.7687, 0.4831, 0.4546

Inverse Universe

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



84.3097, 0.2962, 0.3108



80.9658, 0.2922, 0.3062



79.8858, 0.2987, 0.3016



18.3700, 0.2979, 0.3127



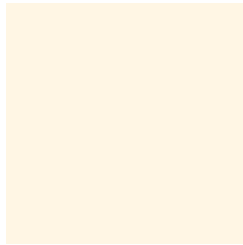
7.4327, 0.1633, 0.1078



0.9152, 0.1695, 0.1301

Previews

White Background



This preview shows how the Yxy color 92.7730, 0.3296, 0.3466 looks on a white background.

Color Contrast Check

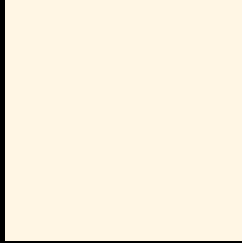
Large Text (above 18pt) WCAG AA × Fail

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 92.7730, 0.3296, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

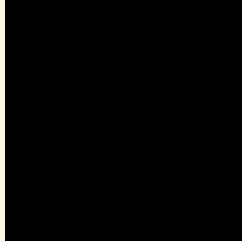
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.7730, 0.3296, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 92.7730, 0.3296, 0.3466.



This preview shows how white text looks on a background with the Yxy color 92.7730, 0.3296, 0.3466.

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

92.7730, 0.3296, 0.3466

Protanopia

92.8287, 0.3289, 0.3457

Deuteranopia

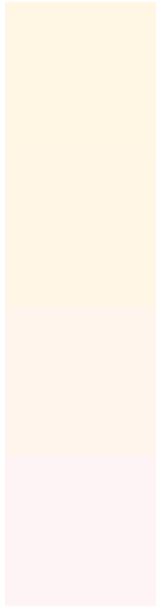
92.9756, 0.3210, 0.3319



Tritanopia

92.5812, 0.3133, 0.3175

Trichromacy



Original Color

92.7730, 0.3296, 0.3466

Protanomaly

92.8287, 0.3289, 0.3457

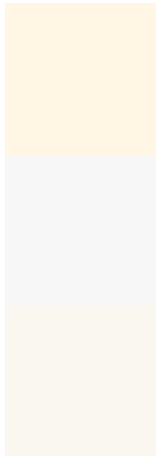
Deuteranomaly

92.6792, 0.3241, 0.3368

Tritanomaly

92.5539, 0.3193, 0.3281

Monochromacy



Original Color

92.7730, 0.3296, 0.3466

Achromatopsia

93.0111, 0.3127, 0.3290

Achromatomaly

93.1368, 0.3188, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.7730, 0.3296, 0.3466 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, 246, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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, 246, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 228) }
```

Border

The CSS property to change the border of an element to Yxy 92.7730, 0.3296, 0.3466 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, 246, 228) }
```

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

```
.border{ border-color:rgb(255, 246, 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, 246, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 92.7730, 0.3296, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 228) }
```

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

```
.background{ background-color: rgb(255,  
246, 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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