

Converting Colors

$Y_{xy}(81.6720, 0.3486, 0.3714)$

Have a look what the booklet for
Yxy(81.6720, 0.3486, 0.3714)
contains.

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Color

Yxy(81.6764, 0.3486, 0.3714)

Conversions

Conversions Part 1

Format	Color
Hex	F6E9C0
RGB	246, 233, 192
RGB Percent	96%, 91%, 75%
CMY	0.0352, 0.0863, 0.2472
CMYK	0.00, 0.05, 0.22, 0.04
HSL	46°, 75%, 86%
HSV	46°, 22%, 96%
XYZ	76.6623, 81.6764, 61.5762
YIQ	232.2130, 20.9090, -9.9950

Conversions

Conversions Part 2

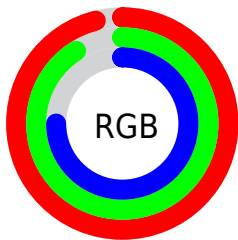
Format	Color
R _Y B	209, 246, 192
Decimal	16181696
CIE Lab	92.43, -1.95, 21.56
CIE LCh	92, 21.648, 95.174
Yxy	81.6764, 0.3486, 0.3714
Android (android.graphics.Color)	4294371776 (0xFFFF6E9C0)
YUV	232.2130, -19.8250, 12.0912
Hunter-Lab	90.3750, -6.7402, 22.8658

Details

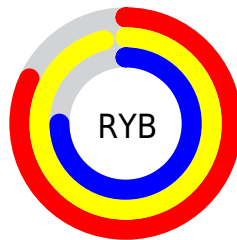
The Yxy color **81.6764, 0.3486, 0.3714** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.5170, 0.2766, 0.2827**, and the grayscale version is **81.0061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **44.0981, 0.3567, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **77.3797, 0.3667, 0.3913**, and if you desaturate by 10%, it is **86.2754, 0.3315, 0.3517**.

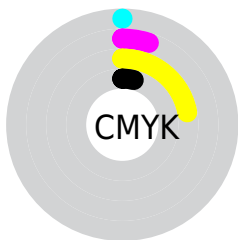
Distribution



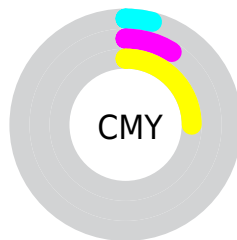
- Red (96%)
- Green (91%)
- Blue (75%)



- Red (82%)
- Yellow (96%)
- Blue (75%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (4%)




- Cyan (4%)
- Magenta (9%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6764, 0.3486, 0.3714 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 81.6764, 0.3486, 0.3714 by changing the saturation by 10% instead.


 81.6764, 0.3486,
0.3714

 81.6764, 0.3486,
0.3714


500.5646, 0.3324,
0.3522

 61.0988, 0.3522,
0.3757


 135.7201, 0.3431,
0.3648

 44.3049, 0.3565,
0.3809


169.9550, 0.3409,
0.3622

 30.9103, 0.3619,
0.3875


209.5112, 0.3390,
0.3600

 20.5306, 0.3688,
0.3959

254.7730, 0.3374,
0.3580

 12.7813, 0.3779,
0.4070

306.1249, 0.3359,
0.3563

 7.2781, 0.3901,
0.4222

363.9512, 0.3346,

 3.6366, 0.4074,

0.3548

0.4441

428.6363, 0.3335,
0.3534

■ 1.4725, 0.4753,
0.5247

■ 0.2692, 0.4361,
0.5639

■ 81.6764, 0.3486,
0.3714

■ 81.6764, 0.3486,
0.3714

■ 77.3797, 0.3667,
0.3913

■ 86.2754, 0.3315,
0.3517

■ 73.3642, 0.3854,
0.4107

■ 91.1753, 0.3157,
0.3326

■ 69.6226, 0.4041,
0.4286

■ 95.6748, 0.3073,
0.3249

■ 66.1429, 0.4221,
0.4440

■ 98.3369, 0.3072,
0.3290

■ 62.9120, 0.4386,
0.4558

■ 59.9147, 0.4526,
0.4632

■ 57.1331, 0.4636,
0.4657

■ 55.0339, 0.4705,
0.4646

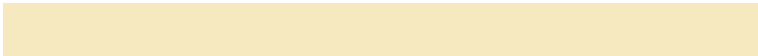
Harmonies

Analogous

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



81.6764, 0.3613, 0.3588



81.6764, 0.3486, 0.3714



81.6764, 0.3265, 0.3725

Triad

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



81.6764, 0.3486, 0.3714



81.6764, 0.2672, 0.3156



81.6764, 0.3229, 0.3002

Complementary

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



81.6764, 0.3486, 0.3714



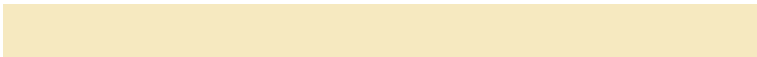
61.5170, 0.2766, 0.2827

Split Complementary

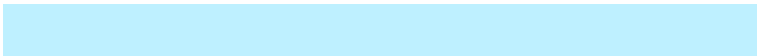
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6764, 0.2976, 0.2893



81.6764, 0.3486, 0.3714



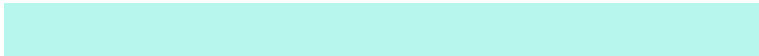
81.6764, 0.2663, 0.2971

Square

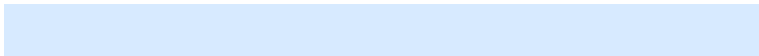
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6764, 0.3486, 0.3714



81.6764, 0.2798, 0.3392



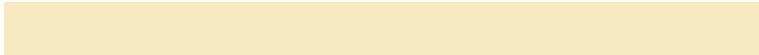
81.6764, 0.2771, 0.2879



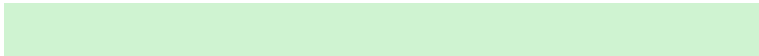
81.6764, 0.3462, 0.3181

Rectangle

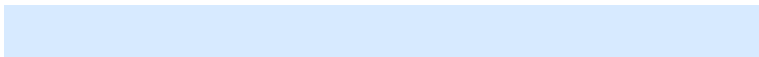
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6764, 0.3486, 0.3714



81.6764, 0.3096, 0.3659



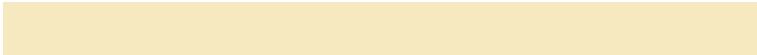
81.6764, 0.2771, 0.2879



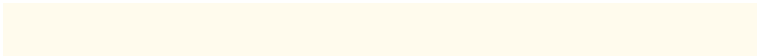
81.6764, 0.3143, 0.2956

Sweetspot

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



81.6801, 0.3486, 0.3714



96.1902, 0.3235, 0.3421



61.7149, 0.3465, 0.3148



20.5200, 0.3245, 0.3433



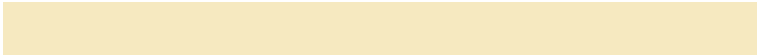
0.0000, 0.0000, 0.0000



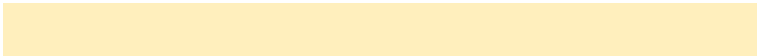
21.4041, 0.3127, 0.3290

Same Dimension

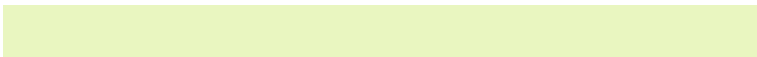
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6801, 0.3486, 0.3714



86.6707, 0.3559, 0.3795



86.9708, 0.3366, 0.3856



18.5975, 0.3275, 0.3469



29.5982, 0.4695, 0.4654



2.7596, 0.4618, 0.4715

Inverse Universe

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



61.5170, 0.2766, 0.2827



61.5062, 0.2692, 0.2728



57.3902, 0.2851, 0.2691



16.5749, 0.2979, 0.3105



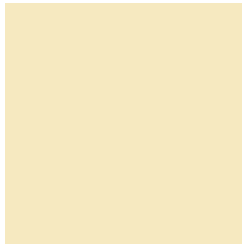
5.4164, 0.1575, 0.0869



0.6297, 0.1639, 0.1099

Previews

White Background



This preview shows how the Yxy color 81.6764, 0.3486, 0.3714 looks on a white background.

Color Contrast Check

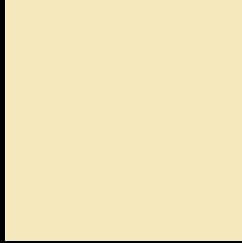
Large Text (above 18pt) WCAG AA × Fail

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 81.6764, 0.3486, 0.3714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

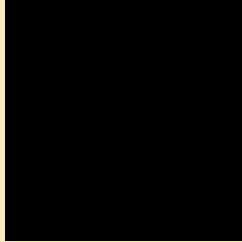
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

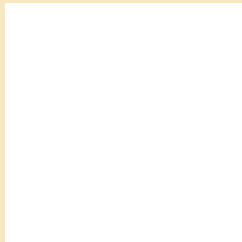
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6764, 0.3486, 0.3714

Background



This preview shows how black text looks on a background with the Yxy color 81.6764, 0.3486, 0.3714.

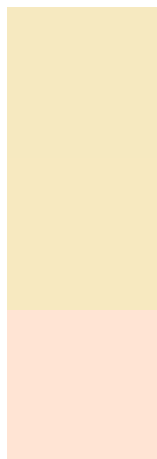


This preview shows how white text looks on a background with the Yxy color 81.6764, 0.3486, 0.3714.

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

81.6764, 0.3486, 0.3714

Protanopia

81.8578, 0.3493, 0.3713

Deuteranopia

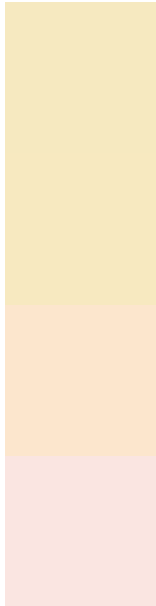
81.5003, 0.3425, 0.3452



Tritanopia

81.8070, 0.3198, 0.3113

Trichromacy



Original Color

81.6764, 0.3486, 0.3714

Protanomaly

81.8578, 0.3493, 0.3713

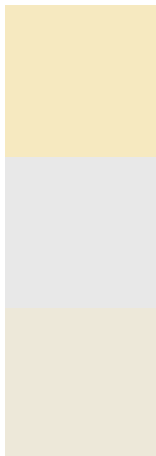
Deuteranomaly

81.6969, 0.3447, 0.3544

Tritanomaly

81.7989, 0.3300, 0.3331

Monochromacy



Original Color

81.6764, 0.3486, 0.3714

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7275, 0.3258, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6764, 0.3486, 0.3714 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(246, 233, 192)` looks like.

```
.text, #text, p{  
    color:rgb(246, 233, 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(246, 233, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 233, 192) }
```

Border

The CSS property to change the border of an element to Yxy 81.6764, 0.3486, 0.3714 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(246, 233, 192) }
```

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

```
.border{ border-color:rgb(246, 233, 192) }
```

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

Here you see how a box with a 4 pixel rgb(246, 233, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 233, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 233, 192);  
box-shadow:4px 4px 4px 4px rgb(246, 233,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6764, 0.3486, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 233, 192) }
```

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

```
.background{ background-color: rgb(246,  
233, 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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