

Converting Colors

$Yxy(91.0112, 0.3515, 0.3521)$

Have a look what the booklet for
Yxy(91.0112, 0.3515, 0.3521)
contains.

Yxy(87.2641, 0.3395, 0.3529)	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(87.2641, 0.3395, 0.3529)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEED6
RGB	255, 238, 214
RGB Percent	100%, 93%, 84%
CMY	0.0001, 0.0666, 0.1606
CMYK	0.00, 0.07, 0.16, 0.00
HSL	35°, 100%, 92%
HSV	35°, 16%, 100%
XYZ	83.9506, 87.2641, 76.0624
YIQ	240.3470, 17.8360, -3.8600

Conversions

Conversions Part 2

Format	Color
R _Y B	243, 255, 214
Decimal	16772822
CIE Lab	94.85, 1.93, 13.66
CIE LCh	95, 13.797, 81.962
Yxy	87.2641, 0.3395, 0.3529
Android (android.graphics.Color)	4294962902 (0xFFFFEED6)
YUV	240.3470, -12.9891, 12.8507
Hunter-Lab	93.4153, -3.0620, 17.1144

Details

The Yxy color **87.2641, 0.3395, 0.3529** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **78.6789, 0.2872, 0.3039**, and the grayscale version is **87.5193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9649, 0.3457, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **80.0895, 0.3588, 0.3686**, and if you desaturate by 10%, it is **95.0117, 0.3222, 0.3378**.

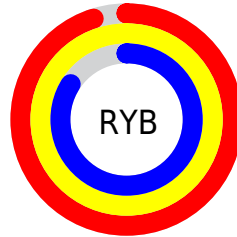
Distribution



Red (100%)

Green (93%)

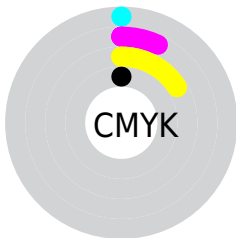
Blue (84%)



Red (95%)

Yellow (100%)

Blue (84%)



Cyan (0%)

Magenta (7%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2641, 0.3395, 0.3529 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 87.2641, 0.3395, 0.3529 by changing the saturation by 10% instead.


 87.2641, 0.3395,
0.3529

 87.2641, 0.3395,
0.3529

519.0903, 0.3275,
0.3423

 65.7138, 0.3422,
0.3552

143.5322, 0.3354,
0.3493

 48.0401, 0.3454,
0.3581


179.0188, 0.3338,
0.3479

 33.8586, 0.3494,
0.3616


219.9195, 0.3324,
0.3466

 22.7850, 0.3546,
0.3661

266.6189, 0.3312,
0.3455

 14.4349, 0.3614,
0.3720

319.5013, 0.3301,
0.3446

 8.4237, 0.3709,
0.3801

378.9510, 0.3291,

 4.3673, 0.3848,

0.3437

0.3918

445.3526, 0.3283,
0.3429

■ 1.8811, 0.4074,
0.4105

■ 0.5369, 0.5094,
0.4906

■ 87.2641, 0.3395,
0.3529

■ 87.2641, 0.3395,
0.3529

■ 80.0895, 0.3588,
0.3686

■ 95.0117, 0.3222,
0.3378

■ 73.4608, 0.3800,
0.3844

99.9964, 0.3127,
0.3290

■ 67.3653, 0.4029,
0.3996

■ 61.7854, 0.4269,
0.4132

■ 56.7021, 0.4511,
0.4241

■ 52.0946, 0.4743,
0.4310

■ 47.9393, 0.4950,
0.4328

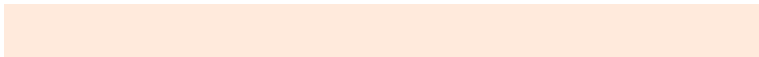
■ 44.2087, 0.5122,
0.4292

■ 42.8408, 0.5182,
0.4267

Harmonies

Analogous

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



87.2641, 0.3437, 0.3430



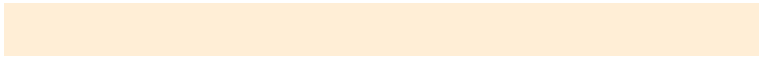
87.2641, 0.3395, 0.3529



87.2641, 0.3281, 0.3566

Triad

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



87.2641, 0.3395, 0.3529



87.2641, 0.2867, 0.3273



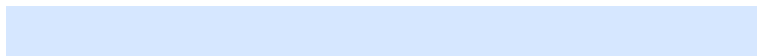
87.2641, 0.3121, 0.3070

Complementary

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



87.2641, 0.3395, 0.3529



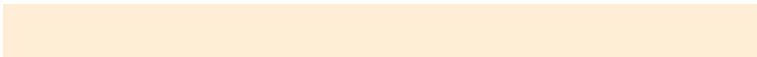
78.6789, 0.2872, 0.3039

Split Complementary

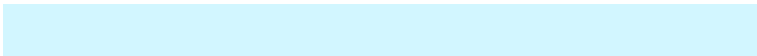
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2641, 0.2971, 0.3027



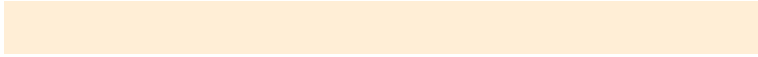
87.2641, 0.3395, 0.3529



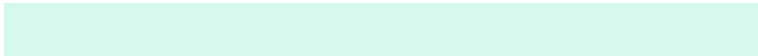
87.2641, 0.2827, 0.3139

Square

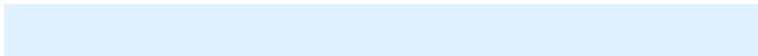
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2641, 0.3395, 0.3529



87.2641, 0.2976, 0.3416



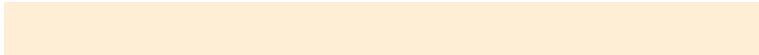
87.2641, 0.2864, 0.3050



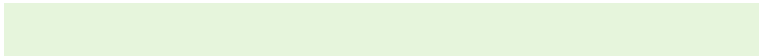
87.2641, 0.3277, 0.3168

Rectangle

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



87.2641, 0.3395, 0.3529



87.2641, 0.3180, 0.3547



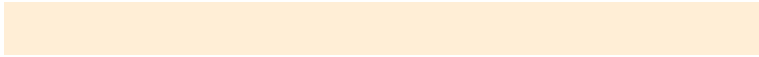
87.2641, 0.2864, 0.3050



87.2641, 0.3069, 0.3048

Sweetspot

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



87.2680, 0.3395, 0.3529



95.8799, 0.3205, 0.3362



75.1446, 0.3310, 0.3120



20.4008, 0.3216, 0.3372



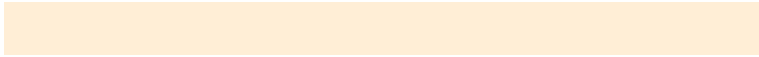
0.0000, 0.0000, 0.0000



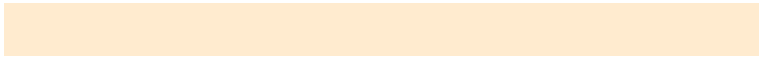
21.4041, 0.3127, 0.3290

Same Dimension

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



87.2680, 0.3395, 0.3529



85.1115, 0.3450, 0.3575



96.9801, 0.3347, 0.3693



19.7544, 0.3280, 0.3429



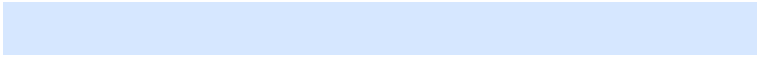
22.6906, 0.5161, 0.4284



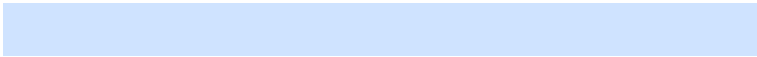
2.4250, 0.5021, 0.4396

Inverse Universe

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



78.6789, 0.2872, 0.3039



75.1589, 0.2823, 0.2988



70.1528, 0.2887, 0.2859



18.6147, 0.2979, 0.3147



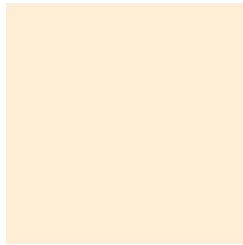
9.4050, 0.1695, 0.1302



1.1252, 0.1757, 0.1524

Previews

White Background



This preview shows how the Yxy color 87.2641, 0.3395, 0.3529 looks on a white background.

Color Contrast Check

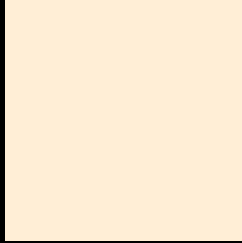
Large Text (above 18pt) WCAG AA × Fail

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 87.2641, 0.3395, 0.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

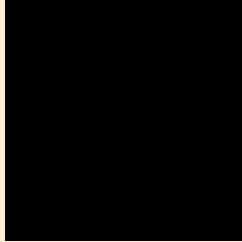
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.2641, 0.3395, 0.3529

Background



This preview shows how black text looks on a background with the Yxy color 87.2641, 0.3395, 0.3529.

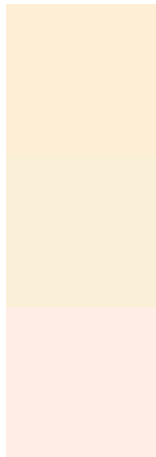


This preview shows how white text looks on a background with the Yxy color 87.2641, 0.3395, 0.3529.

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

87.2641, 0.3395, 0.3529

Protanopia

86.9633, 0.3353, 0.3532

Deuteranopia

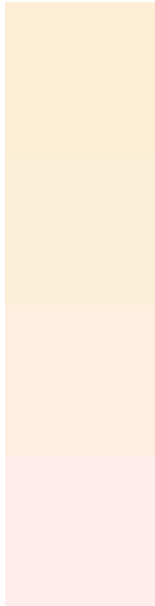
87.5415, 0.3293, 0.3359



Tritanopia

87.4540, 0.3180, 0.3164

Trichromacy



Original Color

87.2641, 0.3395, 0.3529

Protanomaly

87.3347, 0.3367, 0.3531

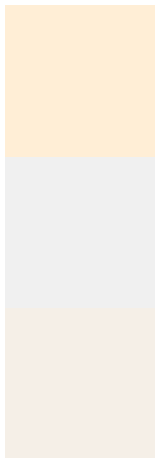
Deuteranomaly

87.2102, 0.3332, 0.3419

Tritanomaly

87.3070, 0.3255, 0.3290

Monochromacy



Original Color

87.2641, 0.3395, 0.3529

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.9150, 0.3217, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2641, 0.3395, 0.3529 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, 238, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 214)  
}
```

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, 238, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 214) }
```

Border

The CSS property to change the border of an element to Yxy 87.2641, 0.3395, 0.3529 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, 238, 214) }
```

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

```
.border{ border-color:rgb(255, 238, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2641, 0.3395, 0.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 214) }
```

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

```
.background{ background-color: rgb(255,  
238, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor