

Converting Colors

$Y_{xy}(100.0000, 0.3793, 0.3485)$

Have a look what the booklet for
Yxy(100.0000, 0.3793, 0.3485)
contains.

Yxy(87.3154, 0.3389, 0.3519)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.3154, 0.3389, 0.3519)

Conversions

Conversions Part 1

Format	Color
Hex	FFEED7
RGB	255, 238, 215
RGB Percent	100%, 93%, 84%
CMY	0.0000, 0.0667, 0.1568
CMYK	0.00, 0.07, 0.16, 0.00
HSL	34°, 100%, 92%
HSV	34°, 16%, 100%
XYZ	84.0898, 87.3154, 76.7204
YIQ	240.4610, 17.5150, -3.5490

Conversions

Conversions Part 2

Format	Color
RYP	245, 255, 215
Decimal	16772823
CIELab	94.87, 2.10, 13.19
CIELCh	95, 13.355, 80.951
Yxy	87.3154, 0.3389, 0.3519
Android (android.graphics.Color)	4294962903 (0xFFFFEED7)
YUV	240.4610, -12.5523, 12.7507
Hunter-Lab	93.4427, -2.8913, 16.7303

Details

The Yxy color **87.3154, 0.3389, 0.3519** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.3936, 0.2879, 0.3050**, and the grayscale version is **87.6059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9997, 0.3448, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **79.9773, 0.3582, 0.3673**, and if you desaturate by 10%, it is **95.2344, 0.3216, 0.3371**.

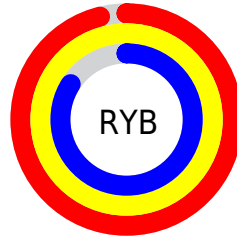
Distribution



Red (100%)

Green (93%)

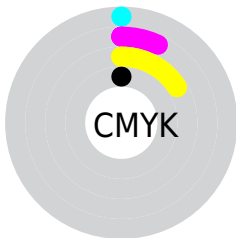
Blue (84%)



Red (96%)

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 87.3154, 0.3389, 0.3519 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 87.3154, 0.3389, 0.3519 by changing the saturation by 10% instead.


 87.3154, 0.3389,
0.3519

 87.3154, 0.3389,
0.3519


519.2587, 0.3271,
0.3417

 65.7562, 0.3415,
0.3541

143.6037, 0.3349,
0.3484

 48.0746, 0.3447,
0.3569

179.1016, 0.3333,
0.3471

 33.8859, 0.3486,
0.3602


220.0145, 0.3319,
0.3459

 22.8060, 0.3537,
0.3645

266.7269, 0.3307,
0.3448

 14.4503, 0.3604,
0.3702

319.6231, 0.3297,
0.3439

 8.4345, 0.3697,
0.3779

379.0876, 0.3287,

 4.3742, 0.3833,

0.3431

0.3892

445.5046, 0.3279,
0.3424

■ 1.8850, 0.4053,
0.4068

■ 0.5394, 0.5111,
0.4889

■ 87.3154, 0.3389,
0.3519

■ 87.3154, 0.3389,
0.3519

■ 79.9773, 0.3582,
0.3673

■ 95.2344, 0.3216,
0.3371

■ 73.2098, 0.3795,
0.3829

100.0000, 0.3127,
0.3290

■ 66.9939, 0.4027,
0.3978

■ 61.3116, 0.4270,
0.4113

■ 56.1433, 0.4516,
0.4221

■ 51.4677, 0.4754,
0.4289

■ 47.2608, 0.4967,
0.4307

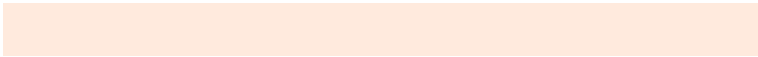
■ 43.4946, 0.5145,
0.4270

■ 41.9894, 0.5214,
0.4242

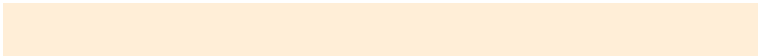
Harmonies

Analogous

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



87.3154, 0.3427, 0.3422



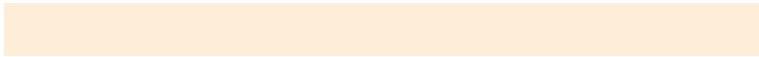
87.3154, 0.3389, 0.3519



87.3154, 0.3280, 0.3557

Triad

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



87.3154, 0.3389, 0.3519



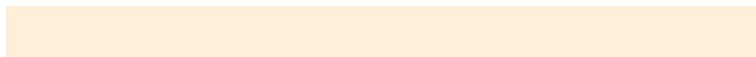
87.3154, 0.2878, 0.3278



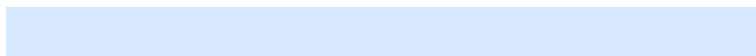
87.3154, 0.3116, 0.3074

Complementary

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



87.3154, 0.3389, 0.3519



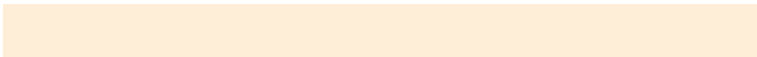
79.3936, 0.2879, 0.3050

Split Complementary

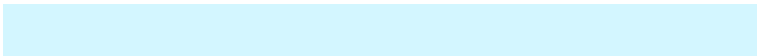
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3154, 0.2972, 0.3035



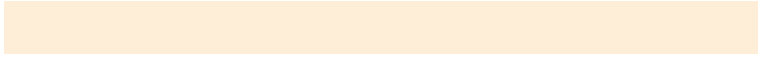
87.3154, 0.3389, 0.3519



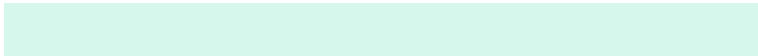
87.3154, 0.2836, 0.3148

Square

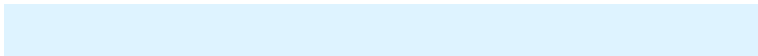
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.3154, 0.3389, 0.3519



87.3154, 0.2985, 0.3416



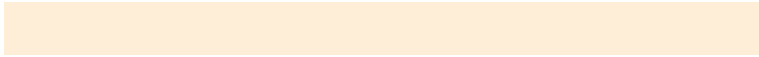
87.3154, 0.2870, 0.3060



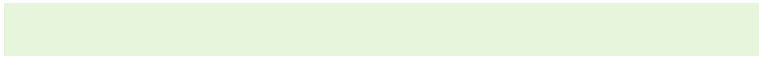
87.3154, 0.3267, 0.3168

Rectangle

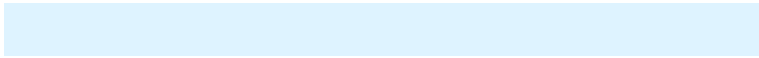
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.3154, 0.3389, 0.3519



87.3154, 0.3183, 0.3540



87.3154, 0.2870, 0.3060



87.3154, 0.3065, 0.3054

Sweetspot

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



87.3135, 0.3389, 0.3519



95.7949, 0.3205, 0.3361



75.7142, 0.3301, 0.3118



20.3801, 0.3217, 0.3371



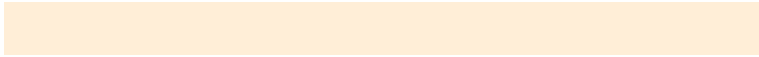
0.0000, 0.0000, 0.0000



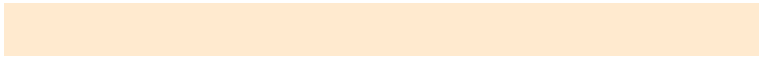
21.4041, 0.3127, 0.3290

Same Dimension

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



87.3135, 0.3389, 0.3519



84.8141, 0.3451, 0.3570



97.1850, 0.3346, 0.3683



19.7207, 0.3280, 0.3427



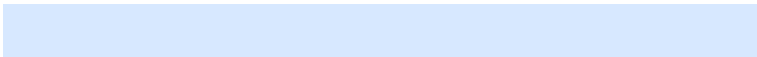
22.2426, 0.5192, 0.4259



2.3824, 0.5047, 0.4375

Inverse Universe

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



79.3936, 0.2879, 0.3050



75.4434, 0.2824, 0.2993



70.6848, 0.2889, 0.2869



18.6477, 0.2979, 0.3150



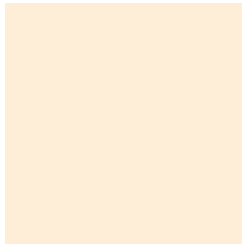
9.7072, 0.1704, 0.1334



1.1563, 0.1765, 0.1555

Previews

White Background



This preview shows how the Yxy color 87.3154, 0.3389, 0.3519 looks on a white background.

Color Contrast Check

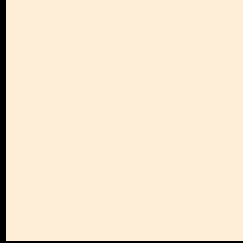
Large Text (above 18pt) WCAG AA × Fail

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 87.3154, 0.3389, 0.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

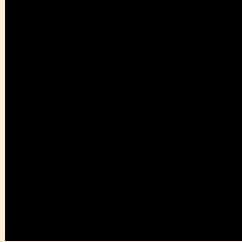
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3154, 0.3389, 0.3519

Background



This preview shows how black text looks on a background with the Yxy color 87.3154, 0.3389, 0.3519.

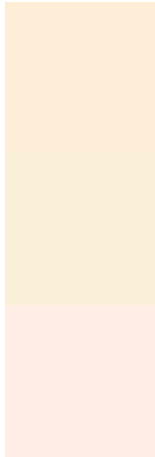


This preview shows how white text looks on a background with the Yxy color 87.3154, 0.3389, 0.3519.

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

87.3154, 0.3389, 0.3519

Protanopia

87.6020, 0.3345, 0.3531

Deuteranopia

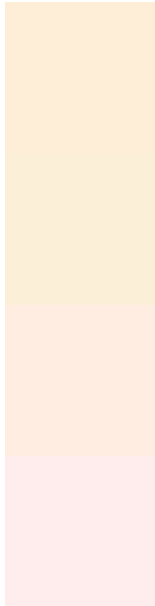
87.5415, 0.3293, 0.3359



Tritanopia

87.4540, 0.3180, 0.3164

Trichromacy



Original Color

87.3154, 0.3389, 0.3519

Protanomaly

87.3863, 0.3360, 0.3520

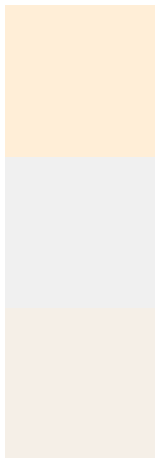
Deuteranomaly

87.2646, 0.3325, 0.3409

Tritanomaly

87.3070, 0.3255, 0.3290

Monochromacy



Original Color

87.3154, 0.3389, 0.3519

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 87.3154, 0.3389, 0.3519 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 215) }
```

Border

The CSS property to change the border of an element to Yxy 87.3154, 0.3389, 0.3519 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, 215) }
```

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

```
.border{ border-color:rgb(255, 238, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3154, 0.3389, 0.3519 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
238, 215) }
```

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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