

Converting Colors

$Yxy(87.6177, 0.3227, 0.3477)$

Have a look what the booklet for
Yxy(87.6177, 0.3227, 0.3477)
contains.

Yxy(87.4113, 0.3224, 0.3473)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.4113, 0.3224, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	F0F2E0
RGB	240, 242, 224
RGB Percent	94%, 95%, 88%
CMY	0.0588, 0.0510, 0.1215
CMYK	0.01, 0.00, 0.07, 0.05
HSL	67°, 41%, 91%
HSV	67°, 7%, 95%
XYZ	81.1443, 87.4113, 83.1326
YIQ	239.3500, 4.5860, -6.0220

Conversions

Conversions Part 2

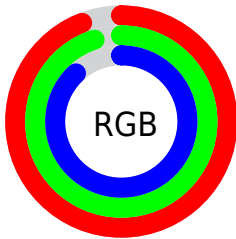
Format	Color
R _Y B	224, 242, 226
Decimal	15790816
CIE Lab	94.91, -3.75, 8.43
CIE LCh	95, 9.227, 113.951
Yxy	87.4113, 0.3224, 0.3473
Android (android.graphics.Color)	4293980896 (0xFFFF0F2E0)
YUV	239.3500, -7.5675, 0.5701
Hunter-Lab	93.4940, -8.6928, 12.7266

Details

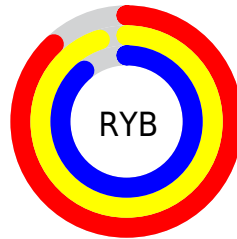
The Yxy color **87.4113, 0.3224, 0.3473** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.9088, 0.3026, 0.3102**, and the grayscale version is **86.6643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1727, 0.3244, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **85.7255, 0.3357, 0.3728**, and if you desaturate by 10%, it is **89.2986, 0.3094, 0.3228**.

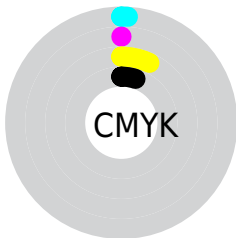
Distribution



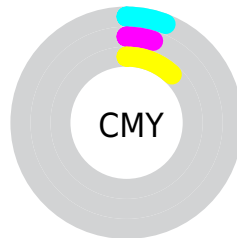
- Red (94%)
- Green (95%)
- Blue (88%)



- Red (88%)
- Yellow (95%)
- Blue (89%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4113, 0.3224, 0.3473 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 87.4113, 0.3224, 0.3473 by changing the saturation by 10% instead.

87.4113, 0.3224,
0.3473

87.4113, 0.3224,
0.3473

519.5734, 0.3181,
0.3390

65.8356, 0.3233,
0.3491

143.7373, 0.3209,
0.3445

48.1390, 0.3245,
0.3514

179.2564, 0.3204,
0.3434

33.9370, 0.3259,
0.3542

220.1921, 0.3199,
0.3424

22.8452, 0.3277,
0.3578

266.9288, 0.3194,
0.3416

14.4792, 0.3302,
0.3627

319.8509, 0.3190,
0.3408

8.4547, 0.3335,
0.3694

379.3428, 0.3187,

4.3873, 0.3383,

0.3402

0.3796

445.7888, 0.3184,
0.3396

■ 1.8925, 0.3460,
0.3965

■ 0.5438, 0.4378,
0.5595

■ 87.4113, 0.3224,
0.3473

■ 87.4113, 0.3224,
0.3473

■ 85.7255, 0.3357,
0.3728

■ 89.2986, 0.3094,
0.3228

■ 84.2220, 0.3490,
0.3989


■ 90.2097, 0.3071,
0.3163

■ 82.8960, 0.3617,
0.4245


■ 90.6991, 0.3089,
0.3164

■ 81.7385, 0.3734,
0.4489


■ 91.1957, 0.3106,
0.3164


 80.7395, 0.3834,
0.4710


 91.6993, 0.3123,
0.3165

 79.8880, 0.3913,
0.4897

 91.9865, 0.3133,
0.3165

 79.1714, 0.3967,
0.5042

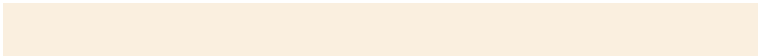
 78.5750, 0.3994,
0.5142

 78.0793, 0.3997,
0.5199

Harmonies

Analogous

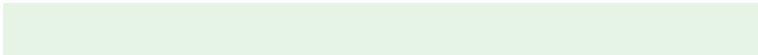
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4113, 0.3302, 0.3453



87.4113, 0.3224, 0.3473



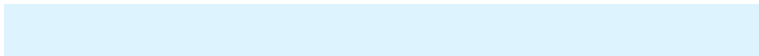
87.4113, 0.3121, 0.3442

Triad

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



87.4113, 0.3224, 0.3473



87.4113, 0.2925, 0.3185



87.4113, 0.3234, 0.3214

Complementary

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



87.4113, 0.3224, 0.3473



75.9088, 0.3026, 0.3102

Split Complementary

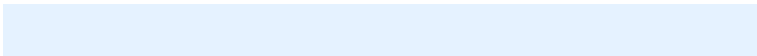
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4113, 0.3131, 0.3145



87.4113, 0.3224, 0.3473



87.4113, 0.2954, 0.3127

Square

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



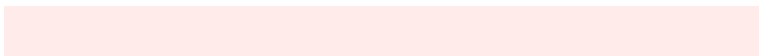
87.4113, 0.3224, 0.3473



87.4113, 0.2949, 0.3273



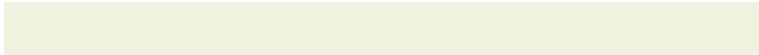
87.4113, 0.3029, 0.3113



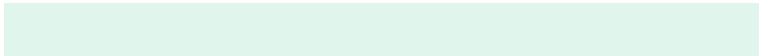
87.4113, 0.3308, 0.3303

Rectangle

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



87.4113, 0.3224, 0.3473



87.4113, 0.3052, 0.3396



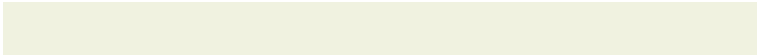
87.4113, 0.3029, 0.3113



87.4113, 0.3201, 0.3187

Sweetspot

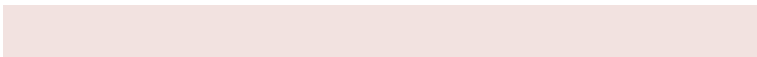
The Sweet Spot groups the original color and five complimentary colors.



87.4151, 0.3224, 0.3473



99.5683, 0.3153, 0.3339



78.5574, 0.3253, 0.3309



21.3162, 0.3152, 0.3336



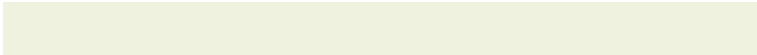
0.0000, 0.0000, 0.0000



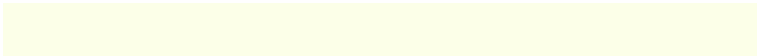
21.4041, 0.3127, 0.3290

Same Dimension

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



87.4151, 0.3224, 0.3473



98.1274, 0.3245, 0.3513



85.9146, 0.3166, 0.3476



18.3644, 0.3251, 0.3524



41.9172, 0.3999, 0.5207



3.5124, 0.4026, 0.5185

Inverse Universe

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



75.9088, 0.3026, 0.3102



82.5566, 0.3003, 0.3059



77.3658, 0.3086, 0.3105



15.3130, 0.2997, 0.3047



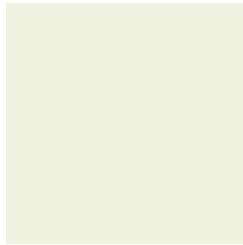
3.5974, 0.1540, 0.0622



0.3268, 0.1622, 0.0667

Previews

White Background



This preview shows how the Yxy color 87.4113, 0.3224, 0.3473 looks on a white background.

Color Contrast Check

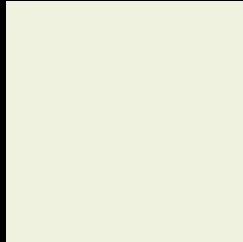
Large Text (above 18pt) WCAG AA × Fail

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 87.4113, 0.3224, 0.3473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

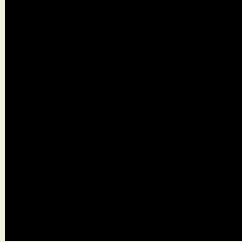
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

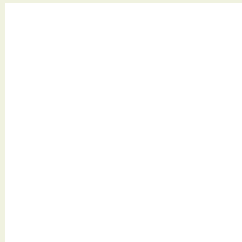
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4113, 0.3224, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 87.4113, 0.3224, 0.3473.

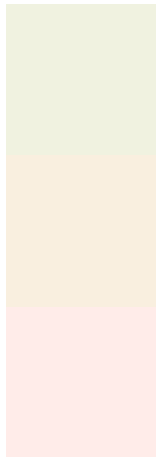


This preview shows how white text looks on a background with the Yxy color 87.4113, 0.3224, 0.3473.

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

87.4113, 0.3224, 0.3473

Protanopia

87.2005, 0.3294, 0.3451

Deuteranopia

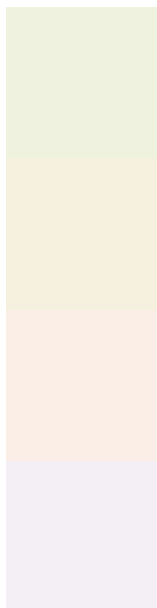
87.1341, 0.3275, 0.3320



Tritanopia

87.0215, 0.3064, 0.3113

Trichromacy



Original Color

87.4113, 0.3224, 0.3473

Protanomaly

87.2407, 0.3273, 0.3462

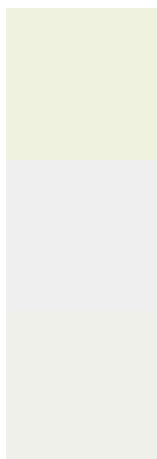
Deuteranomaly

87.1862, 0.3258, 0.3370

Tritanomaly

87.3193, 0.3123, 0.3240

Monochromacy



Original Color

87.4113, 0.3224, 0.3473

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.6114, 0.3157, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4113, 0.3224, 0.3473 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(240, 242, 224) looks like.

```
.text, #text, p{  
    color:rgb(240, 242, 224)  
}
```

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(240, 242, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 242, 224) }
```

Border

The CSS property to change the border of an element to Yxy 87.4113, 0.3224, 0.3473 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(240, 242, 224) }
```

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

```
.border{ border-color:rgb(240, 242, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 242, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 242, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 242, 224);  
box-shadow:4px 4px 4px 4px rgb(240, 242,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4113, 0.3224, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 242, 224) }
```

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

```
.background{ background-color: rgb(240,  
242, 224) }
```

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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