

Converting Colors

$Yxy(87.0091, 0.3217, 0.3484)$

Have a look what the booklet for
Yxy(87.0091, 0.3217, 0.3484)
contains.

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Color

Yxy(87.0091, 0.3217, 0.3484)

Conversions

Conversions Part 1

Format	Color
Hex	EEF2DF
RGB	238, 242, 223
RGB Percent	93%, 95%, 87%
CMY	0.0665, 0.0510, 0.1254
CMYK	0.02, 0.00, 0.08, 0.05
HSL	73°, 42%, 91%
HSV	73°, 8%, 95%
XYZ	80.3411, 87.0091, 82.3889
YIQ	238.6380, 3.7150, -6.7570

Conversions

Conversions Part 2

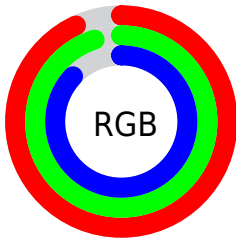
Format	Color
R _Y B	223, 242, 227
Decimal	15659743
CIE Lab	94.74, -4.58, 8.69
CIE LCh	95, 9.820, 117.812
Yxy	87.0091, 0.3217, 0.3484
Android (android.graphics.Color)	4293849823 (0xFFEEF2DF)
YUV	238.6380, -7.7095, -0.5595
Hunter-Lab	93.2787, -9.4953, 12.9268

Details

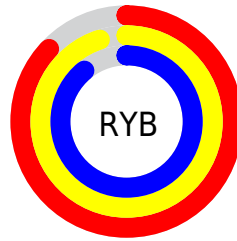
The Yxy color **87.0091, 0.3217, 0.3484** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.5290, 0.3033, 0.3092**, and the grayscale version is **86.0859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8900, 0.3234, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **84.9358, 0.3333, 0.3743**, and if you desaturate by 10%, it is **89.3012, 0.3103, 0.3238**.

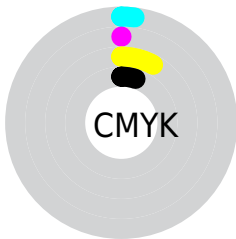
Distribution



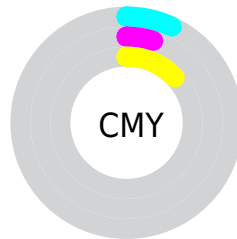
- Red (93%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0091, 0.3217, 0.3484 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 87.0091, 0.3217, 0.3484 by changing the saturation by 10% instead.

87.0091, 0.3217,
0.3484

87.0091, 0.3217,
0.3484

518.2528, 0.3177,
0.3396

65.5027, 0.3226,
0.3504

143.1768, 0.3203,
0.3454

47.8688, 0.3236,
0.3528

178.6070, 0.3198,
0.3442

33.7230, 0.3250,
0.3558

219.4472, 0.3193,
0.3432

22.6809, 0.3266,
0.3596

266.0818, 0.3189,
0.3423

14.3581, 0.3288,
0.3648

318.8953, 0.3186,
0.3415

8.3701, 0.3319,
0.3721

378.2720, 0.3183,

4.3327, 0.3363,

0.3408

0.3830

444.5964, 0.3180,
0.3402

■ 1.8613, 0.3432,
0.4013

■ 0.5250, 0.4244,
0.5756

■ 87.0091, 0.3217,
0.3484

■ 87.0091, 0.3217,
0.3484

■ 84.9358, 0.3333,
0.3743

■ 89.3012, 0.3103,
0.3238

■ 83.0617, 0.3448,
0.4010

■ 90.7047, 0.3089,
0.3164

■ 81.3822, 0.3558,
0.4278

■ 91.6426, 0.3121,
0.3165

■ 79.8878, 0.3656,
0.4536

■ 91.9814, 0.3133,
0.3165

■ 78.5683, 0.3738,
0.4774

■ 77.4126, 0.3798,
0.4980

■ 76.4077, 0.3833,
0.5144

■ 75.5388, 0.3842,
0.5262

■ 74.7854, 0.3827,
0.5335

Harmonies

Analogous

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



87.0091, 0.3306, 0.3470



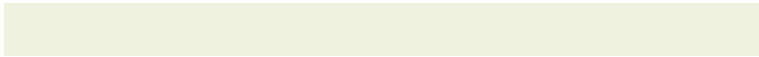
87.0091, 0.3217, 0.3484



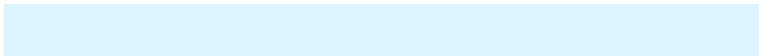
87.0091, 0.3106, 0.3444

Triad

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



87.0091, 0.3217, 0.3484



87.0091, 0.2913, 0.3168



87.0091, 0.3253, 0.3220

Complementary

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



87.0091, 0.3217, 0.3484



75.5290, 0.3033, 0.3092

Split Complementary

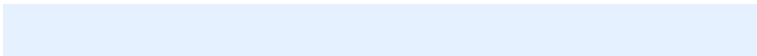
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0091, 0.3146, 0.3143



87.0091, 0.3217, 0.3484



87.0091, 0.2951, 0.3112

Square

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



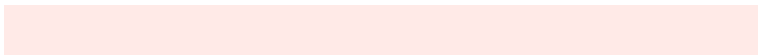
87.0091, 0.3217, 0.3484



87.0091, 0.2931, 0.3259



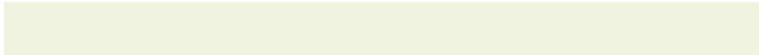
87.0091, 0.3035, 0.3103



87.0091, 0.3327, 0.3316

Rectangle

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



87.0091, 0.3217, 0.3484



87.0091, 0.3033, 0.3392



87.0091, 0.3035, 0.3103



87.0091, 0.3220, 0.3191

Sweetspot

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



87.0129, 0.3217, 0.3484



99.4742, 0.3150, 0.3339



79.0450, 0.3258, 0.3329



21.2971, 0.3149, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

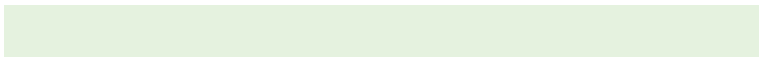
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0129, 0.3217, 0.3484



97.7105, 0.3231, 0.3514



85.4420, 0.3155, 0.3488



18.2826, 0.3236, 0.3526



40.1550, 0.3828, 0.5342



3.3818, 0.3879, 0.5302

Inverse Universe

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



75.5290, 0.3033, 0.3092



82.9396, 0.3018, 0.3060



77.0846, 0.3097, 0.3096



15.3879, 0.3012, 0.3048



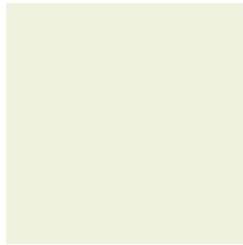
3.8632, 0.1606, 0.0659



0.3627, 0.1726, 0.0725

Previews

White Background



This preview shows how the Yxy color 87.0091, 0.3217, 0.3484 looks on a white background.

Color Contrast Check

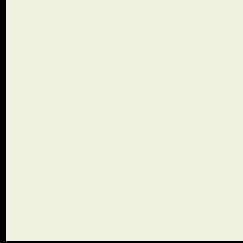
Large Text (above 18pt) WCAG AA × Fail

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 87.0091, 0.3217, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

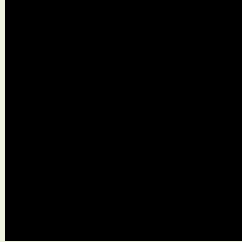
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

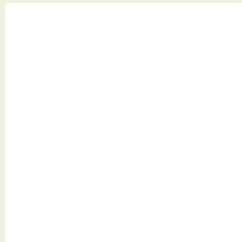
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0091, 0.3217, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 87.0091, 0.3217, 0.3484.

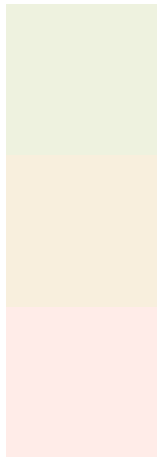


This preview shows how white text looks on a background with the Yxy color 87.0091, 0.3217, 0.3484.

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

87.0091, 0.3217, 0.3484

Protanopia

86.9099, 0.3300, 0.3471

Deuteranopia

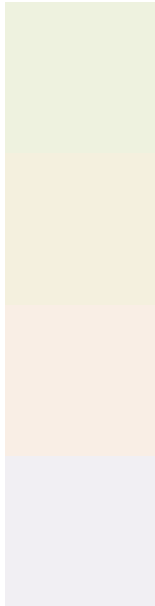
87.0771, 0.3281, 0.3330



Tritanopia

86.8431, 0.3057, 0.3112

Trichromacy



Original Color

87.0091, 0.3217, 0.3484

Protanomaly

86.8272, 0.3266, 0.3472

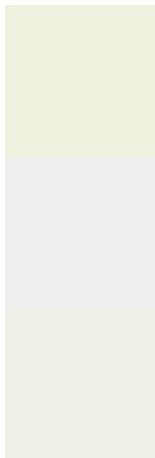
Deuteranomaly

86.9460, 0.3257, 0.3380

Tritanomaly

86.9048, 0.3116, 0.3250

Monochromacy



Original Color

87.0091, 0.3217, 0.3484

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5541, 0.3163, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0091, 0.3217, 0.3484 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(238, 242, 223)` looks like.

```
.text, #text, p{  
    color:rgb(238, 242, 223)  
}
```

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(238, 242, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 242, 223) }
```

Border

The CSS property to change the border of an element to Yxy 87.0091, 0.3217, 0.3484 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(238, 242, 223) }
```

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

```
.border{ border-color:rgb(238, 242, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 242, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 242, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 242, 223);  
box-shadow:4px 4px 4px 4px rgb(238, 242,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0091, 0.3217, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 242, 223) }
```

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

```
.background{ background-color: rgb(238,  
242, 223) }
```

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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