

Converting Colors

$Yxy(87.3487, 0.3224, 0.3620)$

Have a look what the booklet for
Yxy(87.3487, 0.3224, 0.3620)
contains.

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Color

Yxy(87.1488, 0.3223, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	E7F5D6
RGB	231, 245, 214
RGB Percent	91%, 96%, 84%
CMY	0.0941, 0.0392, 0.1609
CMYK	0.06, 0.00, 0.13, 0.04
HSL	87°, 61%, 90%
HSV	87°, 13%, 96%
XYZ	77.7417, 87.1488, 76.3185
YIQ	237.2800, 1.6070, -12.6090

Conversions

Conversions Part 2

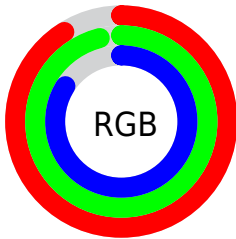
Format	Color
R_{YB}	214, 245, 228
Decimal	15201750
CIE _{Lab}	94.80, -9.99, 13.38
CIE _{LCh}	95, 16.697, 126.754
Yxy	87.1488, 0.3223, 0.3613
Android (android.graphics.Color)	4293391830 (0xFFE7F5D6)
YUV	237.2800, -11.4770, -5.5076
Hunter-Lab	93.3535, -14.7199, 16.8766

Details

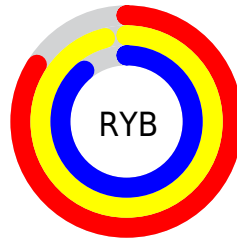
The Yxy color **87.1488, 0.3223, 0.3613** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.1587, 0.3021, 0.2965**, and the grayscale version is **85.0051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0124, 0.3241, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **84.2118, 0.3297, 0.3890**, and if you desaturate by 10%, it is **90.3979, 0.3147, 0.3355**.

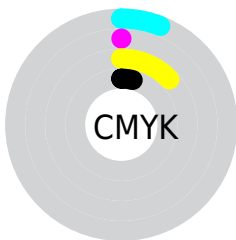
Distribution



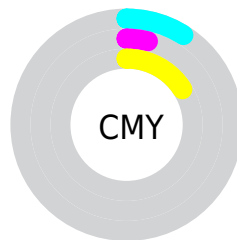
- Red (91%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (89%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)



- Cyan (9%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1488, 0.3223, 0.3613 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 87.1488, 0.3223, 0.3613 by changing the saturation by 10% instead.

 87.1488, 0.3223,
0.3613

 87.1488, 0.3223,
0.3613

518.7117, 0.3181,
0.3466

 65.6184, 0.3232,
0.3646


143.3715, 0.3209,
0.3562

 47.9627, 0.3243,
0.3687

178.8326, 0.3203,
0.3543

 33.7973, 0.3256,
0.3738


219.7060, 0.3199,
0.3525

 22.7379, 0.3272,
0.3804

266.3761, 0.3194,
0.3510

 14.4001, 0.3293,
0.3893

319.2273, 0.3191,
0.3497

 8.3995, 0.3320,
0.4019

378.6441, 0.3187,

 4.3516, 0.3357,

0.3486

0.4209

445.0107, 0.3184,
0.3475

■ 1.8721, 0.3409,
0.4535

■ 0.5315, 0.3296,
0.6704

■ 87.1488, 0.3223,
0.3613

■ 87.1488, 0.3223,
0.3613

■ 84.2118, 0.3297,
0.3890

■ 90.3979, 0.3147,
0.3355

■ 81.5649, 0.3367,
0.4180

■ 93.4336, 0.3120,
0.3194

■ 79.2009, 0.3429,
0.4476

■ 93.7900, 0.3132,
0.3194

■ 77.1075, 0.3477,
0.4766

■ 75.2717, 0.3507,
0.5037

■ 73.6791, 0.3515,
0.5273

■ 72.3131, 0.3500,
0.5462

■ 71.1543, 0.3462,
0.5596

■ 70.4162, 0.3423,
0.5664

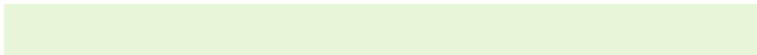
Harmonies

Analogous

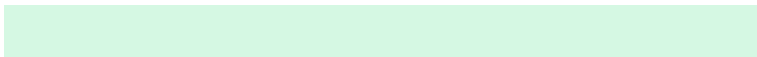
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1488, 0.3392, 0.3613



87.1488, 0.3223, 0.3613



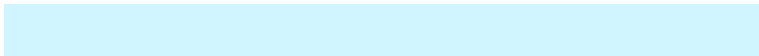
87.1488, 0.3033, 0.3519

Triad

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



87.1488, 0.3223, 0.3613



87.1488, 0.2776, 0.3045



87.1488, 0.3387, 0.3217

Complementary

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



87.1488, 0.3223, 0.3613



71.1587, 0.3021, 0.2965

Split Complementary

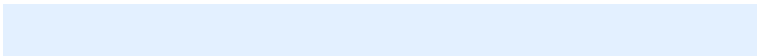
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1488, 0.3215, 0.3076



87.1488, 0.3223, 0.3613



87.1488, 0.2864, 0.2976

Square

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



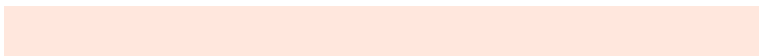
87.1488, 0.3223, 0.3613



87.1488, 0.2778, 0.3183



87.1488, 0.3023, 0.2989



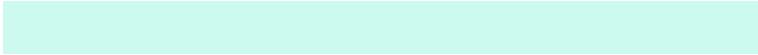
87.1488, 0.3489, 0.3379

Rectangle

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



87.1488, 0.3223, 0.3613



87.1488, 0.2919, 0.3416



87.1488, 0.3023, 0.2989



87.1488, 0.3335, 0.3166

Sweetspot

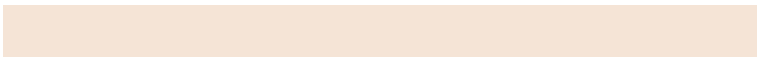
The Sweet Spot groups the original color and five complimentary colors.



87.1526, 0.3223, 0.3613



98.4979, 0.3157, 0.3389



79.7186, 0.3339, 0.3434



21.0235, 0.3163, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

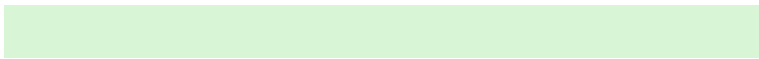
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1526, 0.3223, 0.3613



94.6492, 0.3241, 0.3677



84.6890, 0.3121, 0.3623



18.9202, 0.3199, 0.3529



38.0151, 0.3434, 0.5655



3.4021, 0.3524, 0.5584

Inverse Universe

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



71.1587, 0.3021, 0.2965



74.2108, 0.2999, 0.2901



73.8052, 0.3131, 0.2976



16.2928, 0.3050, 0.3050



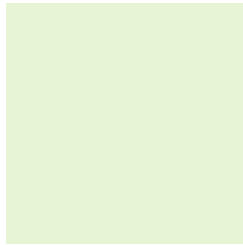
5.4360, 0.1931, 0.0838



0.5379, 0.2070, 0.0914

Previews

White Background



This preview shows how the Yxy color 87.1488, 0.3223, 0.3613 looks on a white background.

Color Contrast Check

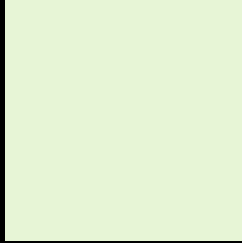
Large Text (above 18pt) WCAG AA × Fail

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 87.1488, 0.3223, 0.3613 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

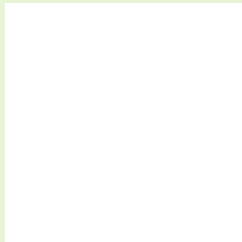
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1488, 0.3223, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 87.1488, 0.3223, 0.3613.

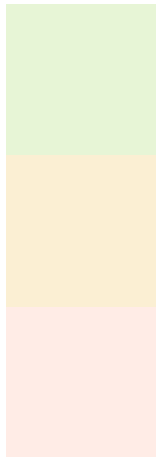


This preview shows how white text looks on a background with the Yxy color 87.1488, 0.3223, 0.3613.

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**

87.1488, 0.3223, 0.3613

Protanopia

86.9454, 0.3385, 0.3572

Deuteranopia

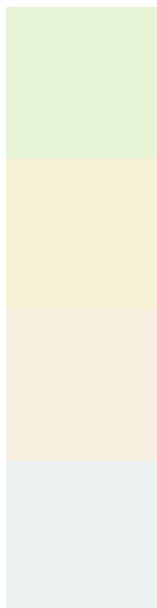
86.9641, 0.3294, 0.3350



Tritanopia

87.1301, 0.3025, 0.3131

Trichromacy



Original Color

87.1488, 0.3223, 0.3613

Protanomaly

86.8972, 0.3328, 0.3586

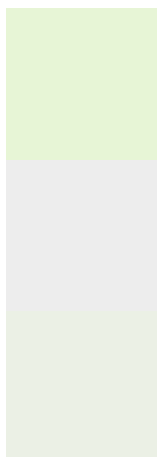
Deuteranomaly

86.7077, 0.3268, 0.3441

Tritanomaly

86.8640, 0.3094, 0.3300

Monochromacy



Original Color

87.1488, 0.3223, 0.3613

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.6395, 0.3161, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1488, 0.3223, 0.3613 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(231, 245, 214)` looks like.

```
.text, #text, p{  
    color:rgb(231, 245, 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(231, 245, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 245, 214) }
```

Border

The CSS property to change the border of an element to Yxy 87.1488, 0.3223, 0.3613 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(231, 245, 214) }
```

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

```
.border{ border-color:rgb(231, 245, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 245, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 245, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 245, 214);  
box-shadow:4px 4px 4px 4px rgb(231, 245,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1488, 0.3223, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 245, 214) }
```

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

```
.background{ background-color: rgb(231,  
245, 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](#).

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