

Converting Colors

$Yxy(88.1996, 0.3232, 0.3567)$

Have a look what the booklet for
Yxy(88.1996, 0.3232, 0.3567)
contains.

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Color

Yxy(88.1996, 0.3232, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	ECF5DA
RGB	236, 245, 218
RGB Percent	93%, 96%, 85%
CMY	0.0743, 0.0393, 0.1450
CMYK	0.04, 0.00, 0.11, 0.04
HSL	80°, 57%, 91%
HSV	80°, 11%, 96%
XYZ	79.9162, 88.1996, 79.1497
YIQ	239.2310, 3.3030, -10.3050

Conversions

Conversions Part 2

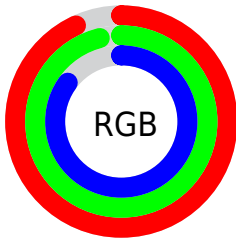
Format	Color
R _Y B	218, 245, 227
Decimal	15529434
CIE Lab	95.24, -7.58, 11.97
CIE LCh	95, 14.172, 122.350
Yxy	88.1996, 0.3232, 0.3567
Android (android.graphics.Color)	4293719514 (0xFFECEF5DA)
YUV	239.2310, -10.4669, -2.8336
Hunter-Lab	93.9146, -12.4569, 15.7716

Details

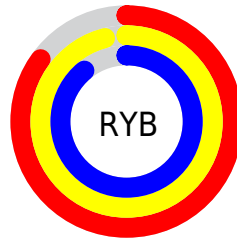
The Yxy color **88.1996, 0.3232, 0.3567** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.0619, 0.3014, 0.3008**, and the grayscale version is **86.5969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7428, 0.3253, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **85.6577, 0.3327, 0.3835**, and if you desaturate by 10%, it is **91.0017, 0.3137, 0.3315**.

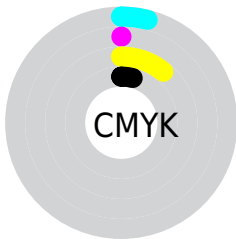
Distribution



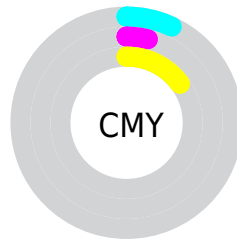
- Red (93%)
- Green (96%)
- Blue (85%)



- Red (85%)
- Yellow (96%)
- Blue (89%)



- Cyan (4%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)





- Cyan (7%)
- Magenta (4%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.1996, 0.3232, 0.3567 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 88.1996, 0.3232, 0.3567 by changing the saturation by 10% instead.

 88.1996, 0.3232,
0.3567

 88.1996, 0.3232,
0.3567


522.1567, 0.3186,
0.3441

 66.4884, 0.3242,
0.3595


144.8350, 0.3216,
0.3524

 48.6690, 0.3254,
0.3629


180.5280, 0.3210,
0.3507

 34.3570, 0.3269,
0.3673


221.6504, 0.3205,
0.3492

 23.1680, 0.3287,
0.3728

268.5865, 0.3200,
0.3480

 14.7176, 0.3312,
0.3803

321.7208, 0.3196,
0.3468

 8.6214, 0.3344,
0.3907

381.4377, 0.3192,

 4.4951, 0.3390,

0.3458

0.4065

448.1215, 0.3189,
0.3450

■ 1.9542, 0.3456,
0.4327

■ 0.5806, 0.3871,
0.6129

■ 88.1996, 0.3232,
0.3567

■ 88.1996, 0.3232,
0.3567

■ 85.6577, 0.3327,
0.3835

■ 91.0017, 0.3137,
0.3315

■ 83.3555, 0.3419,
0.4114

■ 93.2631, 0.3114,
0.3194

■ 81.2868, 0.3504,
0.4395

■ 93.7768, 0.3132,
0.3194

■ 79.4414, 0.3575,
0.4668

■ 77.8077, 0.3629,
0.4920

■ 76.3729, 0.3660,
0.5139

■ 75.1225, 0.3666,
0.5315

■ 74.0394, 0.3647,
0.5440

■ 73.1842, 0.3612,
0.5514

Harmonies

Analogous

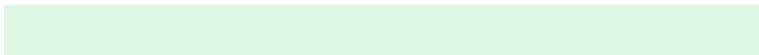
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1996, 0.3368, 0.3556



88.1996, 0.3232, 0.3567



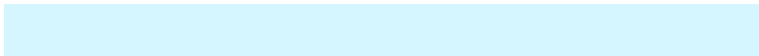
88.1996, 0.3071, 0.3498

Triad

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



88.1996, 0.3232, 0.3567



88.1996, 0.2824, 0.3097



88.1996, 0.3328, 0.3209

Complementary

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



88.1996, 0.3232, 0.3567



73.0619, 0.3014, 0.3008

Split Complementary

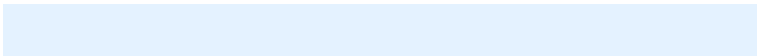
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.1996, 0.3178, 0.3094



88.1996, 0.3232, 0.3567



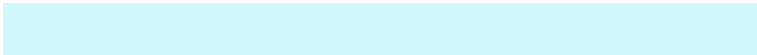
88.1996, 0.2889, 0.3028

Square

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



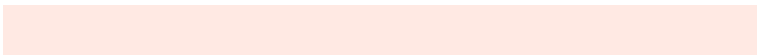
88.1996, 0.3232, 0.3567



88.1996, 0.2838, 0.3221



88.1996, 0.3017, 0.3028



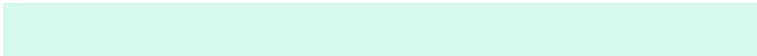
88.1996, 0.3425, 0.3347

Rectangle

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



88.1996, 0.3232, 0.3567



88.1996, 0.2971, 0.3417



88.1996, 0.3017, 0.3028



88.1996, 0.3282, 0.3167

Sweetspot

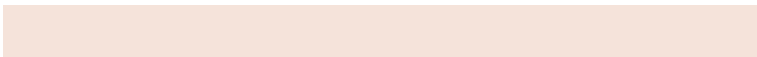
The Sweet Spot groups the original color and five complimentary colors.



88.2034, 0.3232, 0.3567



99.0403, 0.3156, 0.3363



79.1678, 0.3314, 0.3378



21.1447, 0.3163, 0.3383



0.0000, 0.0000, 0.0000



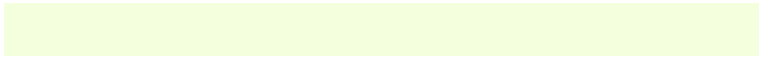
21.4041, 0.3127, 0.3290

Same Dimension

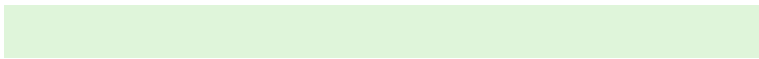
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2034, 0.3232, 0.3567



96.0252, 0.3251, 0.3620



86.0409, 0.3146, 0.3574



19.0230, 0.3217, 0.3527



39.5092, 0.3622, 0.5506



3.5283, 0.3694, 0.5449

Inverse Universe

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



73.0619, 0.3014, 0.3008



76.6754, 0.2991, 0.2953



75.2740, 0.3105, 0.3016



16.1929, 0.3031, 0.3049



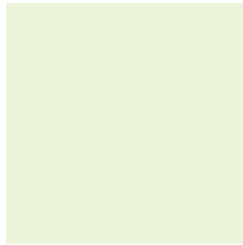
4.5620, 0.1741, 0.0733



0.4547, 0.1876, 0.0807

Previews

White Background



This preview shows how the Yxy color 88.1996, 0.3232, 0.3567 looks on a white background.

Color Contrast Check

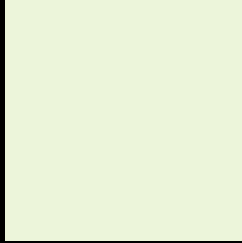
Large Text (above 18pt) WCAG AA × Fail

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 88.1996, 0.3232, 0.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

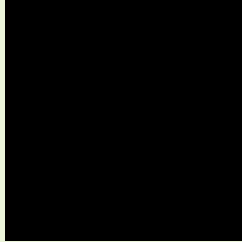
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

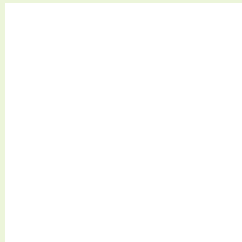
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.1996, 0.3232, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 88.1996, 0.3232, 0.3567.

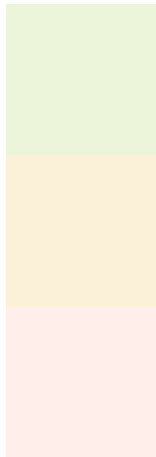


This preview shows how white text looks on a background with the Yxy color 88.1996, 0.3232, 0.3567.

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

88.1996, 0.3232, 0.3567

Protanopia

87.7873, 0.3352, 0.3531

Deuteranopia

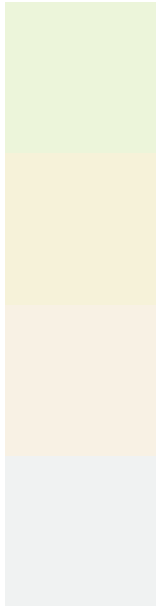
88.2923, 0.3273, 0.3340



Tritanopia

88.4174, 0.3050, 0.3142

Trichromacy



Original Color

88.1996, 0.3232, 0.3567

Protanomaly

88.1068, 0.3308, 0.3543

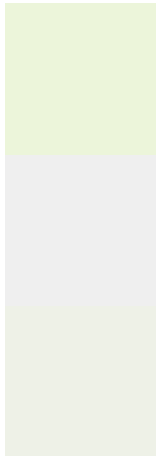
Deuteranomaly

88.4685, 0.3254, 0.3420

Tritanomaly

88.4403, 0.3114, 0.3290

Monochromacy



Original Color

88.1996, 0.3232, 0.3567

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.8573, 0.3168, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1996, 0.3232, 0.3567 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(236, 245, 218)` looks like.

```
.text, #text, p{  
    color:rgb(236, 245, 218)  
}
```

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(236, 245, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 245, 218) }
```

Border

The CSS property to change the border of an element to Yxy 88.1996, 0.3232, 0.3567 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(236, 245, 218) }
```

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

```
.border{ border-color:rgb(236, 245, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 245, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 245, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 245, 218);  
box-shadow:4px 4px 4px 4px rgb(236, 245,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1996, 0.3232, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 245, 218) }
```

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

```
.background{ background-color: rgb(236,  
245, 218) }
```

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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