

Converting Colors

$Yxy(89.1877, 0.3322, 0.3749)$

Have a look what the booklet for
Yxy(89.1877, 0.3322, 0.3749)
contains.

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Color

Yxy(89.2795, 0.3320, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	ECF8CB
RGB	236, 248, 203
RGB Percent	93%, 97%, 80%
CMY	0.0745, 0.0274, 0.2041
CMYK	0.05, 0.00, 0.18, 0.03
HSL	76°, 76%, 88%
HSV	76°, 18%, 97%
XYZ	78.9369, 89.2795, 69.5453
YIQ	239.2820, 7.2930, -16.5390

Conversions

Conversions Part 2

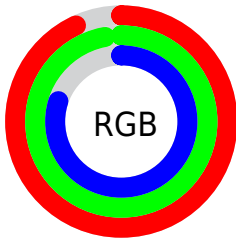
Format	Color
R_{YB}	203, 248, 215
Decimal	15530187
CIE _{Lab}	95.70, -11.47, 20.34
CIE _{LCh}	96, 23.352, 119.413
Yxy	89.2795, 0.3320, 0.3755
Android (android.graphics.Color)	4293720267 (0xFFE8F8CB)
YUV	239.2820, -17.8870, -2.8783
Hunter-Lab	94.4878, -16.2315, 22.5026

Details

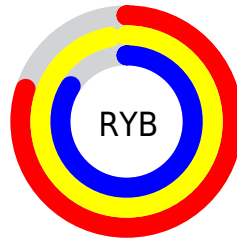
The Yxy color **89.2795, 0.3320, 0.3755** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.9109, 0.2910, 0.2805**, and the grayscale version is **86.6865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5725, 0.3356, 0.3861** is the 20% darker color. If you saturate the color by 10%, you get **87.0844, 0.3425, 0.4027**, and if you desaturate by 10%, it is **91.7134, 0.3213, 0.3493**.

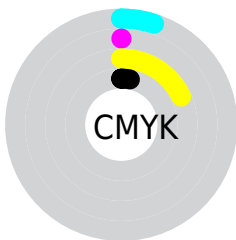
Distribution



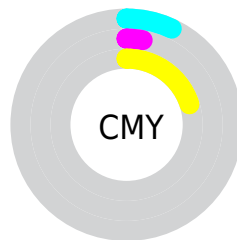
- Red (93%)
- Green (97%)
- Blue (80%)



- Red (80%)
- Yellow (97%)
- Blue (84%)



- Cyan (5%)
- Magenta (0%)
- Yellow (18%)
- Black (3%)





- Cyan (7%)
- Magenta (3%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2795, 0.3320, 0.3755 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 89.2795, 0.3320, 0.3755 by changing the saturation by 10% instead.

 89.2795, 0.3320,
0.3755

 89.2795, 0.3320,
0.3755


525.6843, 0.3236,
0.3544

 67.3832, 0.3338,
0.3802


146.3372, 0.3292,
0.3682

 49.3961, 0.3359,
0.3860


182.2674, 0.3281,
0.3654

 34.9338, 0.3385,
0.3933


223.6443, 0.3271,
0.3629

 23.6119, 0.3417,
0.4027

270.8524, 0.3263,
0.3608

 15.0460, 0.3457,
0.4152

324.2761, 0.3255,
0.3589

 8.8517, 0.3509,
0.4326

384.2997, 0.3248,

 4.6446, 0.3575,

0.3572

0.4584

451.3076, 0.3242,
0.3557

■ 2.0403, 0.3726,
0.5099

■ 0.6307, 0.3362,
0.6638

■ 89.2795, 0.3320,
0.3755

■ 89.2795, 0.3320,
0.3755

■ 87.0844, 0.3425,
0.4027

■ 91.7134, 0.3213,
0.3493

■ 85.1068, 0.3523,
0.4301

■ 94.3832, 0.3108,
0.3246

■ 83.3407, 0.3611,
0.4568

■ 95.6192, 0.3130,
0.3223

■ 81.7748, 0.3682,
0.4816

■ 80.3970, 0.3731,
0.5032

■ 79.1932, 0.3755,
0.5207

■ 78.1473, 0.3753,
0.5335

■ 77.2367, 0.3727,
0.5415

■ 77.0785, 0.3721,
0.5427

Harmonies

Analogous

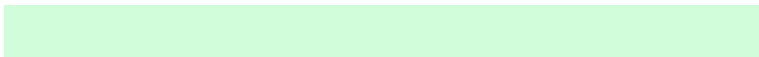
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2795, 0.3538, 0.3716



89.2795, 0.3320, 0.3755



89.2795, 0.3057, 0.3655

Triad

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



89.2795, 0.3320, 0.3755



89.2795, 0.2634, 0.2986



89.2795, 0.3436, 0.3136

Complementary

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



89.2795, 0.3320, 0.3755



63.9109, 0.2910, 0.2805

Split Complementary

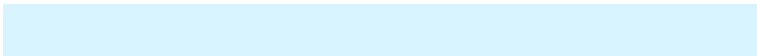
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2795, 0.3181, 0.2961



89.2795, 0.3320, 0.3755



89.2795, 0.2724, 0.2870

Square

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



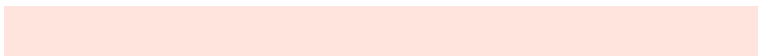
89.2795, 0.3320, 0.3755



89.2795, 0.2668, 0.3195



89.2795, 0.2921, 0.2864



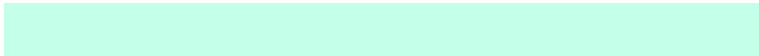
89.2795, 0.3609, 0.3354

Rectangle

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



89.2795, 0.3320, 0.3755



89.2795, 0.2892, 0.3523



89.2795, 0.2921, 0.2864



89.2795, 0.3357, 0.3071

Sweetspot

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



89.2834, 0.3320, 0.3755



98.5675, 0.3180, 0.3413



72.4727, 0.3461, 0.3408



21.0555, 0.3187, 0.3431



0.0000, 0.0000, 0.0000



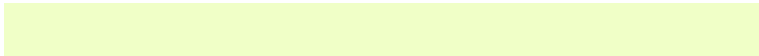
21.4041, 0.3127, 0.3290

Same Dimension

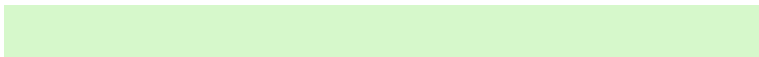
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2834, 0.3320, 0.3755



94.1743, 0.3361, 0.3859



85.7784, 0.3176, 0.3776



19.9446, 0.3228, 0.3527



41.7073, 0.3729, 0.5421



3.9145, 0.3786, 0.5376

Inverse Universe

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



63.9109, 0.2910, 0.2805



62.2932, 0.2856, 0.2690



67.4310, 0.3066, 0.2827



16.8665, 0.3021, 0.3048



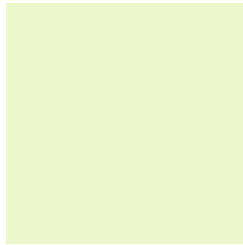
4.3458, 0.1661, 0.0689



0.4519, 0.1780, 0.0754

Previews

White Background



This preview shows how the Yxy color 89.2795, 0.3320, 0.3755 looks on a white background.

Color Contrast Check

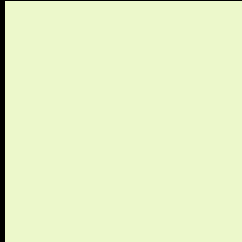
Large Text (above 18pt) WCAG AA × Fail

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 89.2795, 0.3320, 0.3755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

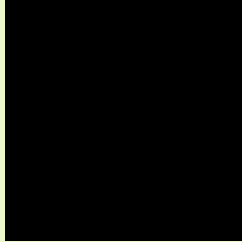
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

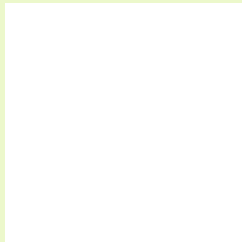
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2795, 0.3320, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 89.2795, 0.3320, 0.3755.

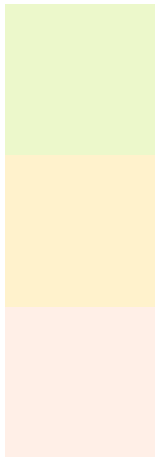


This preview shows how white text looks on a background with the Yxy color 89.2795, 0.3320, 0.3755.

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

89.2795, 0.3320, 0.3755

Protanopia

89.1239, 0.3453, 0.3669

Deuteranopia

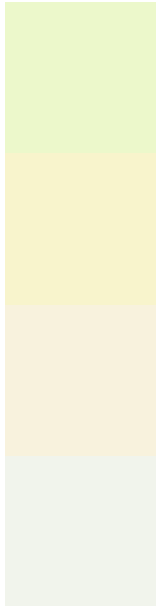
88.7625, 0.3284, 0.3369



Tritanopia

89.3637, 0.3063, 0.3153

Trichromacy



Original Color

89.2795, 0.3320, 0.3755

Protanomaly

89.0175, 0.3401, 0.3694

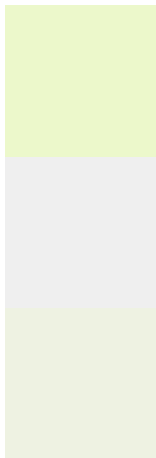
Deuteranomaly

88.6812, 0.3297, 0.3501

Tritanomaly

89.4583, 0.3156, 0.3370

Monochromacy



Original Color

89.2795, 0.3320, 0.3755

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.1724, 0.3198, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2795, 0.3320, 0.3755 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, 248, 203)` looks like.

```
.text, #text, p{  
    color:rgb(236, 248, 203)  
}
```

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, 248, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 248, 203) }
```

Border

The CSS property to change the border of an element to Yxy 89.2795, 0.3320, 0.3755 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, 248, 203) }
```

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

```
.border{ border-color:rgb(236, 248, 203) }
```

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

Here you see how a box with a 4 pixel rgb(236, 248, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 248, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 248, 203);  
box-shadow:4px 4px 4px 4px rgb(236, 248,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2795, 0.3320, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 248, 203) }
```

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

```
.background{ background-color: rgb(236,  
248, 203) }
```

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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