

Converting Colors

$Yxy(78.6605, 0.3323, 0.3602)$

Have a look what the booklet for
Yxy(78.6605, 0.3323, 0.3602)
contains.

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Color

Yxy(78.5719, 0.3322, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	E8E7CA
RGB	232, 231, 202
RGB Percent	91%, 91%, 79%
CMY	0.0900, 0.0941, 0.2078
CMYK	0.00, 0.00, 0.13, 0.09
HSL	58°, 40%, 85%
HSV	58°, 13%, 91%
XYZ	72.5245, 78.5719, 67.2195
YIQ	227.9930, 9.9050, -8.8070

Conversions

Conversions Part 2

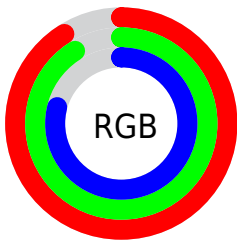
Format	Color
RYB	203, 232, 202
Decimal	15263690
CIELab	91.04, -4.48, 14.25
CIELCh	91, 14.943, 107.457
Yxy	78.5719, 0.3322, 0.3599
Android (android.graphics.Color)	4293453770 (0xFFE8E7CA)
YUV	227.9930, -12.8145, 3.5141
Hunter-Lab	88.6408, -9.0754, 17.0868

Details

The Yxy color **78.5719, 0.3322, 0.3599** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.1186, 0.2921, 0.2961**, and the grayscale version is **77.6735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0282, 0.3363, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **77.1064, 0.3477, 0.3844**, and if you desaturate by 10%, it is **80.2117, 0.3171, 0.3359**.

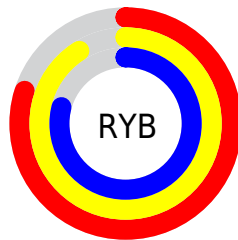
Distribution



Red (91%)

Green (91%)

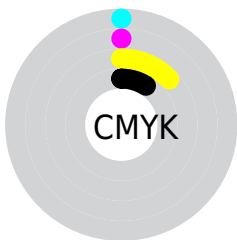
Blue (79%)



Red (80%)

Yellow (91%)

Blue (79%)

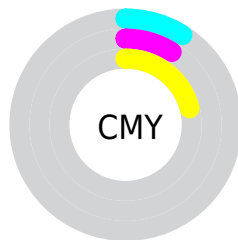


Cyan (0%)

Magenta (0%)

Yellow (13%)

Black (9%)



Cyan (9%)


Magenta (9%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5719, 0.3322, 0.3599 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 78.5719, 0.3322, 0.3599 by changing the saturation by 10% instead.


 78.5719, 0.3322,
0.3599

 78.5719, 0.3322,
0.3599


490.1069, 0.3234,
0.3457

 58.5439, 0.3342,
0.3631


131.3560, 0.3292,
0.3550

 42.2461, 0.3366,
0.3671


164.8809, 0.3280,
0.3531

 29.2940, 0.3396,
0.3722


203.6736, 0.3270,
0.3514

 19.3034, 0.3435,
0.3787

248.1183, 0.3261,
0.3500

 11.8897, 0.3486,
0.3876

298.5997, 0.3253,
0.3487

 6.6686, 0.3557,
0.4002

355.5020, 0.3246,

 3.2557, 0.3662,

0.3476

0.4196

419.2096, 0.3239,
0.3466

■ 1.2667, 0.4007,
0.4742

■ 0.1152, 0.0002,
0.9998

■ 78.5719, 0.3322,
0.3599

■ 78.5719, 0.3322,
0.3599

■ 77.1064, 0.3477,
0.3844

■ 80.2117, 0.3171,
0.3359

■ 75.7974, 0.3632,
0.4085

■ 82.0223, 0.3026,
0.3129

■ 74.6405, 0.3780,
0.4316


■ 82.8970, 0.2987,
0.3072


■ 73.6271, 0.3917,
0.4524


■ 83.3565, 0.2987,
0.3080

 72.7478, 0.4035,
0.4702

 83.8182, 0.2987,
0.3088


 71.9918, 0.4129,
0.4840

 84.2819, 0.2987,
0.3097

 71.3471, 0.4197,
0.4935

 84.7477, 0.2987,
0.3105

 70.7987, 0.4239,
0.4986

 85.2156, 0.2987,
0.3113

 70.4534, 0.4256,
0.5003

 85.6856, 0.2987,
0.3121

Harmonies

Analogous

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



78.5719, 0.3441, 0.3545



78.5719, 0.3322, 0.3599



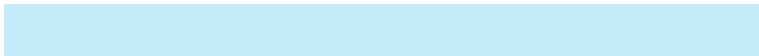
78.5719, 0.3153, 0.3567

Triad

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



78.5719, 0.3322, 0.3599



78.5719, 0.2792, 0.3140



78.5719, 0.3270, 0.3134

Complementary

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



78.5719, 0.3322, 0.3599



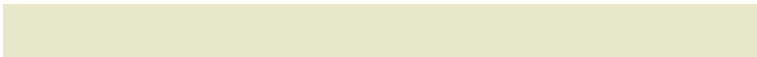
61.1186, 0.2921, 0.2961

Split Complementary

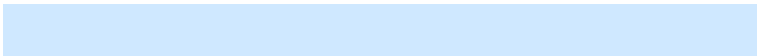
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5719, 0.3093, 0.3032



78.5719, 0.3322, 0.3599



78.5719, 0.2821, 0.3032

Square

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



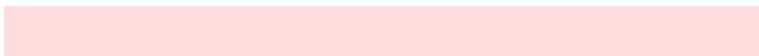
78.5719, 0.3322, 0.3599



78.5719, 0.2850, 0.3295



78.5719, 0.2930, 0.2994



78.5719, 0.3411, 0.3276

Rectangle

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



78.5719, 0.3322, 0.3599



78.5719, 0.3036, 0.3499



78.5719, 0.2930, 0.2994



78.5719, 0.3213, 0.3094

Sweetspot

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



78.5754, 0.3322, 0.3599



99.1340, 0.3187, 0.3384



63.7394, 0.3352, 0.3274



21.1847, 0.3198, 0.3402



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.



78.5754, 0.3322, 0.3599



96.7424, 0.3370, 0.3676



76.9860, 0.3225, 0.3619



16.7266, 0.3268, 0.3514



39.1382, 0.4255, 0.5004



2.9193, 0.4245, 0.5011

Inverse Universe

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



61.1186, 0.2921, 0.2961



70.4637, 0.2866, 0.2873



62.5952, 0.3019, 0.2959



13.9671, 0.2980, 0.3055



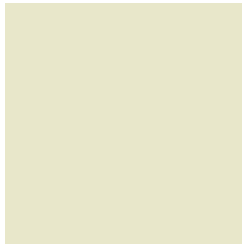
3.3694, 0.1506, 0.0622



0.2776, 0.1524, 0.0686

Previews

White Background



This preview shows how the Yxy color 78.5719, 0.3322, 0.3599 looks on a white background.

Color Contrast Check

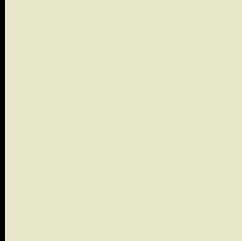
Large Text (above 18pt) WCAG AA × Fail

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 78.5719, 0.3322, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

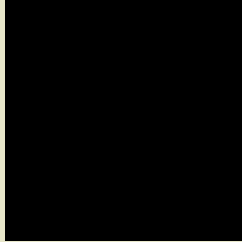
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

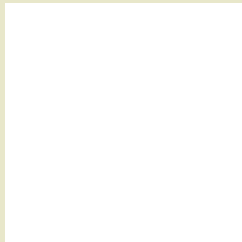
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5719, 0.3322, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 78.5719, 0.3322, 0.3599.



This preview shows how white text looks on a background with the Yxy color 78.5719, 0.3322, 0.3599.

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

78.5719, 0.3322, 0.3599

Protanopia

78.7809, 0.3389, 0.3584

Deuteranopia

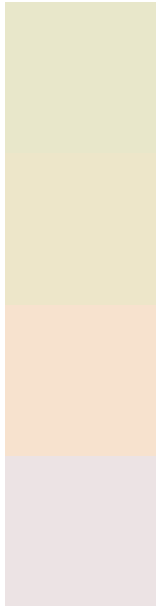
78.6388, 0.3454, 0.3432



Tritanopia

78.4986, 0.3101, 0.3107

Trichromacy



Original Color

78.5719, 0.3322, 0.3599

Protanomaly

78.8152, 0.3366, 0.3596

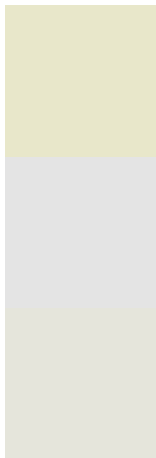
Deuteranomaly

78.6231, 0.3411, 0.3497

Tritanomaly

78.3725, 0.3183, 0.3280

Monochromacy



Original Color

78.5719, 0.3322, 0.3599

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.8111, 0.3191, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5719, 0.3322, 0.3599 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(232, 231, 202)` looks like.

```
.text, #text, p{  
    color:rgb(232, 231, 202)  
}
```

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(232, 231, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 231, 202) }
```

Border

The CSS property to change the border of an element to Yxy 78.5719, 0.3322, 0.3599 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(232, 231, 202) }
```

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

```
.border{ border-color:rgb(232, 231, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 231, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 231, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 231, 202);  
box-shadow:4px 4px 4px 4px rgb(232, 231,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5719, 0.3322, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 231, 202) }
```

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

```
.background{ background-color: rgb(232,  
231, 202) }
```

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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