

Converting Colors

$Yxy(79.9744, 0.3272, 0.3616)$

Have a look what the booklet for
Yxy(79.9744, 0.3272, 0.3616)
contains.

Yxy(80.2703, 0.3275, 0.3621)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.2703, 0.3275, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	E4EBCC
RGB	228, 235, 204
RGB Percent	89%, 92%, 80%
CMY	0.1060, 0.0784, 0.1999
CMYK	0.03, 0.00, 0.13, 0.08
HSL	74°, 44%, 86%
HSV	74°, 13%, 92%
XYZ	72.6002, 80.2703, 68.8094
YIQ	229.3730, 5.7790, -11.1250

Conversions

Conversions Part 2

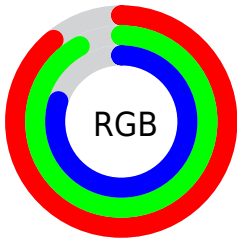
Format	Color
R_{YB}	204, 235, 211
Decimal	15002572
CIE _{Lab}	91.81, -7.62, 14.24
CIE _{LCh}	92, 16.155, 118.162
Yxy	80.2703, 0.3275, 0.3621
Android (android.graphics.Color)	4293192652 (0xFFE4EBCC)
YUV	229.3730, -12.5089, -1.2041
Hunter-Lab	89.5937, -12.1456, 17.1799

Details

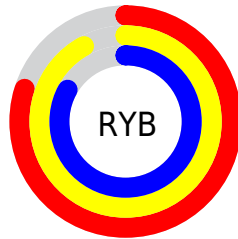
The Yxy color $80.2703, 0.3275, 0.3621$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $63.0538, 0.2967, 0.2947$, and the grayscale version is $78.7357, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.2129, 0.3302, 0.3693$ is the 20% darker color. If you saturate the color by 10%, you get $78.3713, 0.3388, 0.3886$, and if you desaturate by 10%, it is $82.3733, 0.3162, 0.3368$.

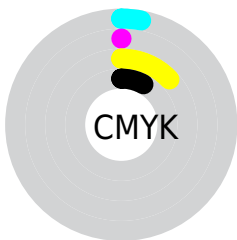
Distribution



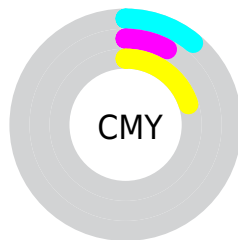
- Red (89%)
- Green (92%)
- Blue (80%)



- Red (80%)
- Yellow (92%)
- Blue (83%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)



- Cyan (11%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2703, 0.3275, 0.3621 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 80.2703, 0.3275, 0.3621 by changing the saturation by 10% instead.

80.2703, 0.3275,
0.3621

80.2703, 0.3275,
0.3621

495.8433, 0.3209,
0.3468

59.9408, 0.3290,
0.3656

133.7457, 0.3253,
0.3568

43.3709, 0.3307,
0.3699

167.6604, 0.3244,
0.3548

30.1763, 0.3329,
0.3753

206.8723, 0.3236,
0.3530

19.9724, 0.3357,
0.3824

251.7657, 0.3229,
0.3514

12.3750, 0.3394,
0.3919

302.7252, 0.3223,
0.3501

6.9996, 0.3443,
0.4057

360.1350, 0.3218,

3.4619, 0.3514,

0.3489

0.4268

424.3796, 0.3213,
0.3478

■ 1.3773, 0.3733,
0.4783

■ 0.1999, 0.0191,
0.9809

■ 80.2703, 0.3275,
0.3621

■ 80.2703, 0.3275,
0.3621

■ 78.3713, 0.3388,
0.3886

■ 82.3733, 0.3162,
0.3368

■ 76.6580, 0.3497,
0.4156


■ 84.6773, 0.3053,
0.3130

■ 75.1255, 0.3598,
0.4421


■ 85.8701, 0.3064,
0.3093


■ 73.7647, 0.3685,
0.4673

■ 86.8374, 0.3099,
0.3095


 72.5655, 0.3752,
0.4898


 87.8325, 0.3134,
0.3097

 71.5167, 0.3796,
0.5087

 87.9019, 0.3136,
0.3097

 70.6054, 0.3815,
0.5231

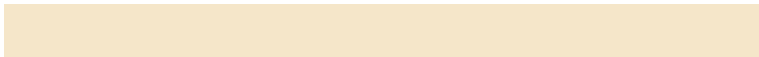
 69.8159, 0.3807,
0.5328

 69.3312, 0.3791,
0.5372

Harmonies

Analogous

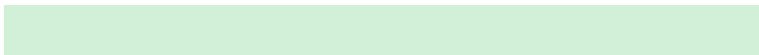
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2703, 0.3427, 0.3594



80.2703, 0.3275, 0.3621



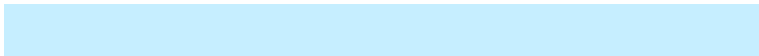
80.2703, 0.3087, 0.3553

Triad

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



80.2703, 0.3275, 0.3621



80.2703, 0.2769, 0.3079



80.2703, 0.3342, 0.3174

Complementary

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



80.2703, 0.3275, 0.3621



63.0538, 0.2967, 0.2947

Split Complementary

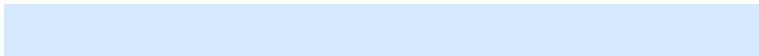
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2703, 0.3160, 0.3046



80.2703, 0.3275, 0.3621



80.2703, 0.2832, 0.2989

Square

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



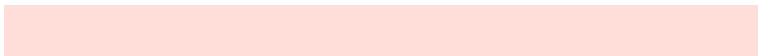
80.2703, 0.3275, 0.3621



80.2703, 0.2798, 0.3232



80.2703, 0.2973, 0.2979



80.2703, 0.3468, 0.3332

Rectangle

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



80.2703, 0.3275, 0.3621



80.2703, 0.2966, 0.3462



80.2703, 0.2973, 0.2979



80.2703, 0.3285, 0.3126

Sweetspot

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



80.2738, 0.3275, 0.3621



98.9242, 0.3172, 0.3388



68.4837, 0.3359, 0.3363



21.1315, 0.3180, 0.3407



0.0000, 0.0000, 0.0000



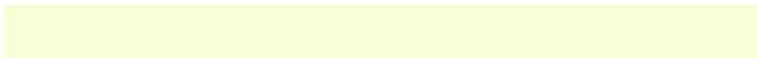
21.4041, 0.3127, 0.3290

Same Dimension

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



80.2738, 0.3275, 0.3621



95.9322, 0.3308, 0.3697



77.8998, 0.3170, 0.3632



17.4447, 0.3233, 0.3525



38.6423, 0.3798, 0.5367



3.0764, 0.3855, 0.5321

Inverse Universe

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



63.0538, 0.2967, 0.2947



71.1746, 0.2927, 0.2865



65.4030, 0.3077, 0.2958



14.7137, 0.3015, 0.3049



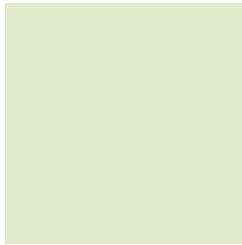
3.8110, 0.1623, 0.0668



0.3414, 0.1755, 0.0741

Previews

White Background



This preview shows how the Yxy color 80.2703, 0.3275, 0.3621 looks on a white background.

Color Contrast Check

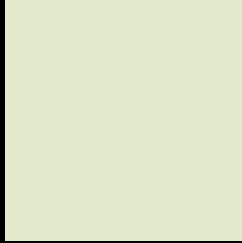
Large Text (above 18pt) WCAG AA × Fail

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 80.2703, 0.3275, 0.3621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

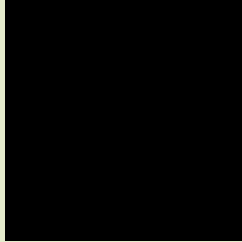
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

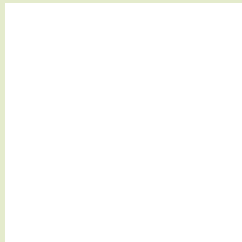
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2703, 0.3275, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 80.2703, 0.3275, 0.3621.

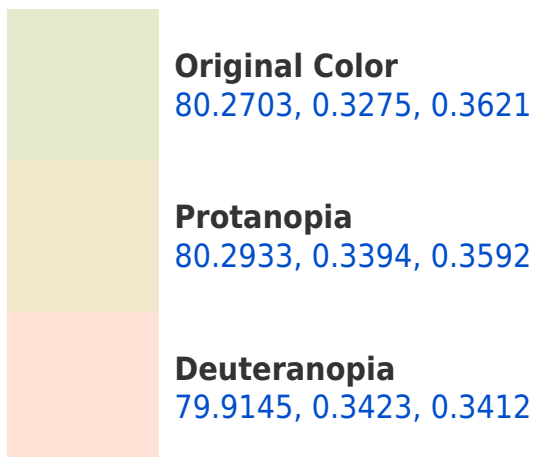


This preview shows how white text looks on a background with the Yxy color 80.2703, 0.3275, 0.3621.

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

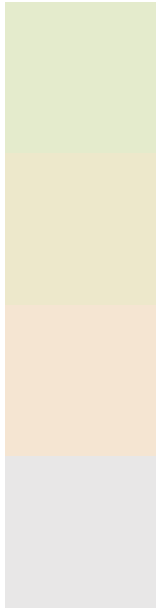




Tritanopia

80.2464, 0.3048, 0.3106

Trichromacy



Original Color

80.2703, 0.3275, 0.3621

Protanomaly

80.0295, 0.3349, 0.3595

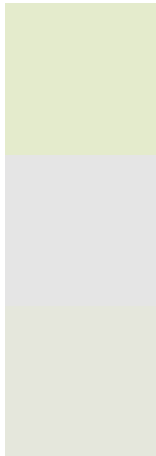
Deuteranomaly

80.1042, 0.3365, 0.3486

Tritanomaly

80.0772, 0.3134, 0.3290

Monochromacy



Original Color

80.2703, 0.3275, 0.3621

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.9771, 0.3183, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2703, 0.3275, 0.3621 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(228, 235, 204)` looks like.

```
.text, #text, p{  
    color:rgb(228, 235, 204)  
}
```

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(228, 235, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 235, 204) }
```

Border

The CSS property to change the border of an element to Yxy 80.2703, 0.3275, 0.3621 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(228, 235, 204) }
```

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

```
.border{ border-color:rgb(228, 235, 204) }
```

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

Here you see how a box with a 4 pixel rgb(228, 235, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 235, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 235, 204);  
box-shadow:4px 4px 4px 4px rgb(228, 235,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2703, 0.3275, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 235, 204) }
```

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

```
.background{ background-color: rgb(228,  
235, 204) }
```

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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