

Converting Colors

Yxy(81.3984, 0.3270, 0.3535)

Have a look what the booklet for
Yxy(81.3984, 0.3270, 0.3535)
contains.

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Color

Yxy(81.6122, 0.3272, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	EAEBD3
RGB	234, 235, 211
RGB Percent	92%, 92%, 83%
CMY	0.0825, 0.0784, 0.1725
CMYK	0.00, 0.00, 0.10, 0.08
HSL	63°, 38%, 87%
HSV	63°, 10%, 92%
XYZ	75.3911, 81.6122, 73.4095
YIQ	231.9650, 7.1080, -7.6760

Conversions

Conversions Part 2

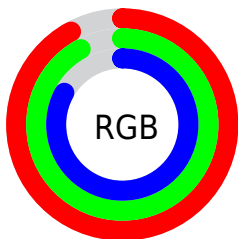
Format	Color
R _Y B	211, 235, 212
Decimal	15395795
CIE Lab	92.40, -4.42, 11.53
CIE LCh	92, 12.347, 110.959
Yxy	81.6122, 0.3272, 0.3542
Android (android.graphics.Color)	4293585875 (0xFFEAEBD3)
YUV	231.9650, -10.3357, 1.7847
Hunter-Lab	90.3395, -9.1304, 15.0588

Details

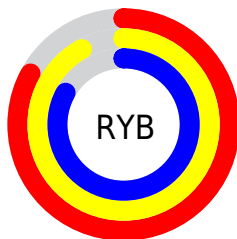
The Yxy color **81.6122, 0.3272, 0.3542** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **66.5943, 0.2975, 0.3026**, and the grayscale version is **80.7428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1055, 0.3307, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **80.3496, 0.3417, 0.3796**, and if you desaturate by 10%, it is **83.0552, 0.3130, 0.3295**.

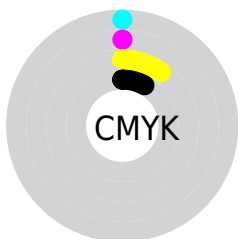
Distribution



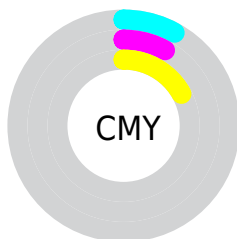
- Red (92%)
- Green (92%)
- Blue (83%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)



- Cyan (8%)
- Magenta (8%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6122, 0.3272, 0.3542 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 81.6122, 0.3272, 0.3542 by changing the saturation by 10% instead.

81.6122, 0.3272,
0.3542

81.6122, 0.3272,
0.3542

500.3496, 0.3207,
0.3427

61.0459, 0.3286,
0.3568

135.6300, 0.3250,
0.3502

44.2622, 0.3304,
0.3600

169.8504, 0.3241,
0.3487

30.8767, 0.3326,
0.3640

209.3909, 0.3233,
0.3473

20.5050, 0.3354,
0.3693

254.6360, 0.3227,
0.3462

12.7627, 0.3392,
0.3763

305.9700, 0.3221,
0.3451

7.2653, 0.3444,
0.3863

363.7773, 0.3216,

3.6286, 0.3520,

0.3442

0.4017

428.4424, 0.3211,
0.3434

■ 1.4680, 0.3668,
0.4309

■ 0.2661, 0.3529,
0.6471

■ 81.6122, 0.3272,
0.3542

■ 81.6122, 0.3272,
0.3542

■ 80.3496, 0.3417,
0.3796

■ 83.0552, 0.3130,
0.3295

■ 79.2494, 0.3561,
0.4050


■ 84.4797, 0.3012,
0.3090

■ 78.3070, 0.3698,
0.4296

■ 84.6549, 0.3019,
0.3090


■ 77.5139, 0.3823,
0.4523


■ 84.8311, 0.3025,
0.3091

 76.8605, 0.3931,
0.4722

 85.0083, 0.3032,
0.3091


 76.3362, 0.4015,
0.4883


 85.1865, 0.3039,
0.3091

 75.9290, 0.4074,
0.5002

 85.3657, 0.3045,
0.3092

 75.6243, 0.4106,
0.5076

 85.5459, 0.3052,
0.3092

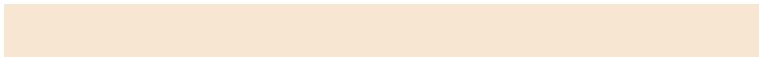
 75.4018, 0.4117,
0.5113

 85.7271, 0.3058,
0.3093

Harmonies

Analogous

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



81.6122, 0.3375, 0.3507



81.6122, 0.3272, 0.3542



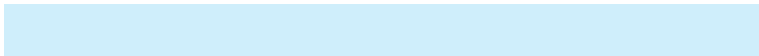
81.6122, 0.3132, 0.3507

Triad

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



81.6122, 0.3272, 0.3542



81.6122, 0.2852, 0.3156



81.6122, 0.3260, 0.3175

Complementary

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



81.6122, 0.3272, 0.3542



66.5943, 0.2975, 0.3026

Split Complementary

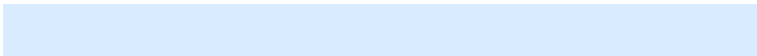
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6122, 0.3117, 0.3086



81.6122, 0.3272, 0.3542



81.6122, 0.2884, 0.3072

Square

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



81.6122, 0.3272, 0.3542



81.6122, 0.2892, 0.3279



81.6122, 0.2980, 0.3048



81.6122, 0.3368, 0.3294

Rectangle

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



81.6122, 0.3272, 0.3542



81.6122, 0.3037, 0.3447



81.6122, 0.2980, 0.3048



81.6122, 0.3214, 0.3140

Sweetspot

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



81.6158, 0.3272, 0.3542



99.4541, 0.3169, 0.3363



69.3578, 0.3307, 0.3299



21.2567, 0.3181, 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.



81.6158, 0.3272, 0.3542



97.9324, 0.3298, 0.3588



79.6908, 0.3191, 0.3548



17.5917, 0.3261, 0.3523



41.9739, 0.4118, 0.5112



3.3063, 0.4129, 0.5104

Inverse Universe

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



66.5943, 0.2975, 0.3026



76.8715, 0.2945, 0.2975



68.4071, 0.3058, 0.3033



14.5801, 0.2986, 0.3047



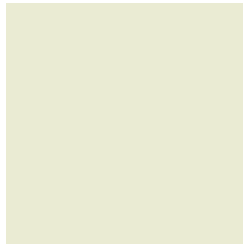
3.3890, 0.1514, 0.0608



0.2771, 0.1551, 0.0628

Previews

White Background



This preview shows how the Yxy color 81.6122, 0.3272, 0.3542 looks on a white background.

Color Contrast Check

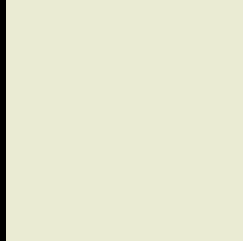
Large Text (above 18pt) WCAG AA × Fail

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 81.6122, 0.3272, 0.3542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

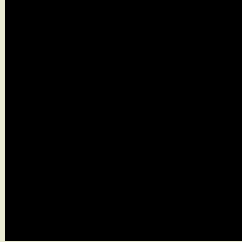
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

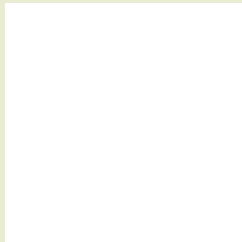
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6122, 0.3272, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 81.6122, 0.3272, 0.3542.

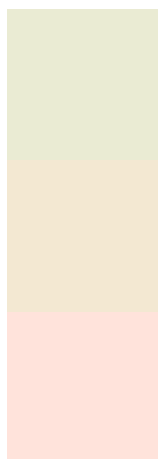


This preview shows how white text looks on a background with the Yxy color 81.6122, 0.3272, 0.3542.

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

81.6122, 0.3272, 0.3542

Protanopia

81.4211, 0.3346, 0.3517

Deuteranopia

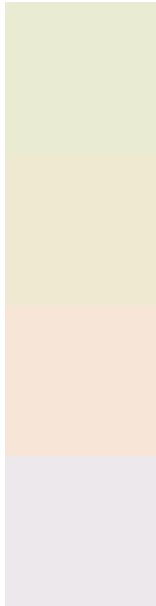
81.3126, 0.3378, 0.3371



Tritanopia

81.7217, 0.3075, 0.3109

Trichromacy



Original Color

81.6122, 0.3272, 0.3542

Protanomaly

81.4562, 0.3323, 0.3529

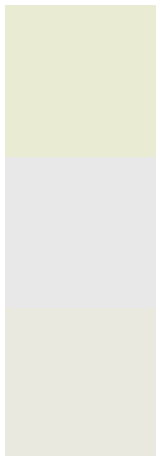
Deuteranomaly

81.3257, 0.3337, 0.3433

Tritanomaly

81.7159, 0.3142, 0.3259

Monochromacy



Original Color

81.6122, 0.3272, 0.3542

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.9833, 0.3184, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6122, 0.3272, 0.3542 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(234, 235, 211)` looks like.

```
.text, #text, p{  
    color:rgb(234, 235, 211)  
}
```

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(234, 235, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 235, 211) }
```

Border

The CSS property to change the border of an element to Yxy 81.6122, 0.3272, 0.3542 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(234, 235, 211) }
```

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

```
.border{ border-color:rgb(234, 235, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 235, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 235, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 235, 211);  
box-shadow:4px 4px 4px 4px rgb(234, 235,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6122, 0.3272, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 235, 211) }
```

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

```
.background{ background-color: rgb(234,  
235, 211) }
```

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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