

Converting Colors

$Y_{xy}(81.2155, 0.3312, 0.3372)$

Have a look what the booklet for
Yxy(81.2155, 0.3312, 0.3372)
contains.

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Color

Yxy(81.2155, 0.3312, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	F8E5DD
RGB	248, 229, 221
RGB Percent	97%, 90%, 87%
CMY	0.0276, 0.1019, 0.1334
CMYK	0.00, 0.08, 0.11, 0.03
HSL	18°, 66%, 92%
HSV	18°, 11%, 97%
XYZ	79.7704, 81.2155, 79.8667
YIQ	233.7690, 13.8920, 1.5400

Conversions

Conversions Part 2

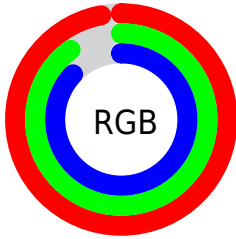
Format	Color
R _Y B	248, 232, 221
Decimal	16311773
CIE Lab	92.23, 5.14, 6.23
CIE LCh	92, 8.073, 50.495
Yxy	81.2155, 0.3312, 0.3372
Android (android.graphics.Color)	4294501853 (0xFFF8E5DD)
YUV	233.7690, -6.2951, 12.4806
Hunter-Lab	90.1196, 0.2918, 10.5392

Details

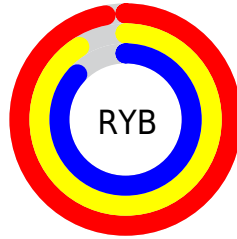
The Yxy color **81.2155, 0.3312, 0.3372** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.4236, 0.2958, 0.3207**, and the grayscale version is **82.1347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1016, 0.3349, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **70.8352, 0.3516, 0.3452**, and if you desaturate by 10%, it is **92.7647, 0.3141, 0.3296**.

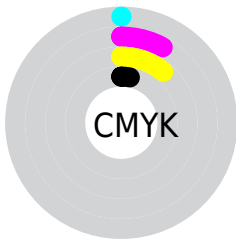
Distribution



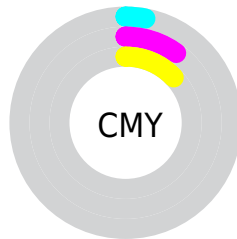
- Red (97%)
- Green (90%)
- Blue (87%)



- Red (97%)
- Yellow (91%)
- Blue (87%)



- Cyan (0%)
- Magenta (8%)
- Yellow (11%)
- Black (3%)





- Cyan (3%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.2155, 0.3312, 0.3372 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 81.2155, 0.3312, 0.3372 by changing the saturation by 10% instead.


 81.2155, 0.3312,
0.3372

 81.2155, 0.3312,
0.3372

499.0198, 0.3228,
0.3335

 60.7191, 0.3331,
0.3380

135.0733, 0.3283,
0.3360

 43.9985, 0.3354,
0.3390

169.2035, 0.3272,
0.3355

 30.6693, 0.3384,
0.3402


208.6471, 0.3262,
0.3350

 20.3472, 0.3422,
0.3418

253.7885, 0.3253,
0.3347

 12.6477, 0.3473,
0.3438

305.0121, 0.3246,
0.3343

 7.1864, 0.3545,
0.3467

362.7022, 0.3239,

 3.5789, 0.3656,

0.3340

427.2433, 0.3233,
0.3338

0.3508

■ 1.4409, 0.3846,
0.3574

■ 0.2466, 0.5933,
0.4067

■ 81.2155, 0.3312,
0.3372

■ 81.2155, 0.3312,
0.3372

■ 70.8352, 0.3516,
0.3452

■ 92.7647, 0.3141,
0.3296

■ 61.5761, 0.3756,
0.3536

■ 98.6899, 0.3084,
0.3290

■ 53.4029, 0.4038,
0.3618

■ 46.2747, 0.4361,
0.3692

■ 40.1473, 0.4719,
0.3750

■ 34.9737, 0.5094,
0.3779

■ 30.7025, 0.5459,
0.3767

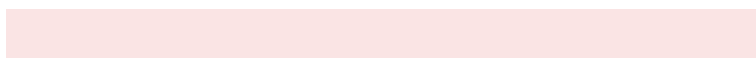
■ 27.2763, 0.5774,
0.3707

■ 24.8270, 0.5998,
0.3620

Harmonies

Analogous

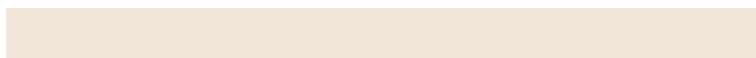
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2155, 0.3284, 0.3292



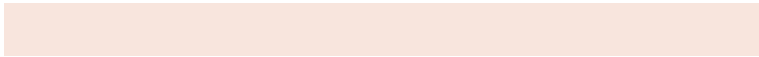
81.2155, 0.3312, 0.3372



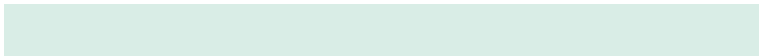
81.2155, 0.3290, 0.3432

Triad

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



81.2155, 0.3312, 0.3372



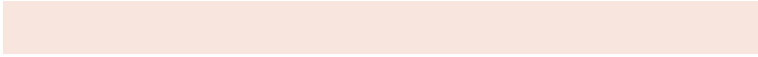
81.2155, 0.3041, 0.3369



81.2155, 0.3030, 0.3130

Complementary

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



81.2155, 0.3312, 0.3372



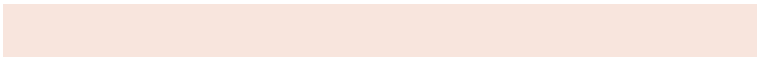
84.4236, 0.2958, 0.3207

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.



81.2155, 0.2967, 0.3148



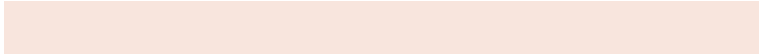
81.2155, 0.3312, 0.3372



81.2155, 0.2973, 0.3285

Square

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



81.2155, 0.3312, 0.3372



81.2155, 0.3133, 0.3431



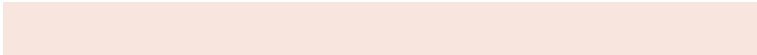
81.2155, 0.2946, 0.3204



81.2155, 0.3120, 0.3154

Rectangle

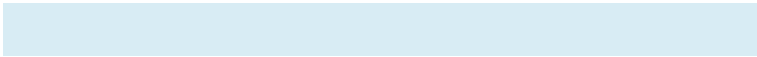
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2155, 0.3312, 0.3372



81.2155, 0.3250, 0.3452



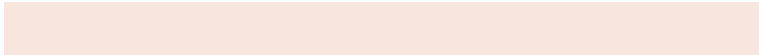
81.2155, 0.2946, 0.3204



81.2155, 0.3005, 0.3132

Sweetspot

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



81.2191, 0.3312, 0.3372



96.1374, 0.3175, 0.3312



77.9652, 0.3190, 0.3096



20.3606, 0.3188, 0.3318



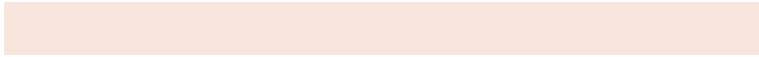
0.0000, 0.0000, 0.0000



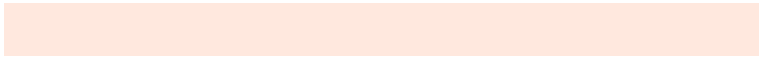
21.4041, 0.3127, 0.3290

Same Dimension

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



81.2191, 0.3312, 0.3372



84.0829, 0.3353, 0.3389



88.7446, 0.3297, 0.3502



18.0677, 0.3287, 0.3361



13.6279, 0.5969, 0.3642



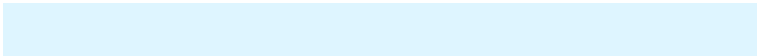
1.4384, 0.5737, 0.3826

Inverse Universe

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



84.4236, 0.2958, 0.3207



88.1080, 0.2925, 0.3189



76.9903, 0.2956, 0.3069



18.6845, 0.2980, 0.3218



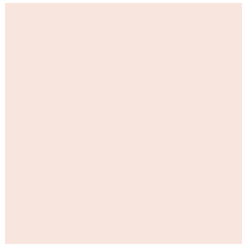
20.3005, 0.1969, 0.2288



2.0649, 0.2006, 0.2422

Previews

White Background



This preview shows how the Yxy color 81.2155, 0.3312, 0.3372 looks on a white background.

Color Contrast Check

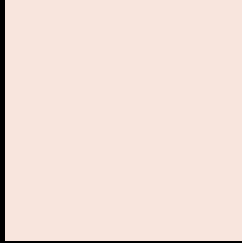
Large Text (above 18pt) WCAG AA × Fail

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 81.2155, 0.3312, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

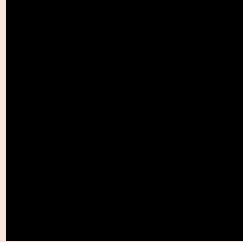
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

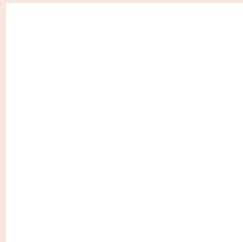
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2155, 0.3312, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 81.2155, 0.3312, 0.3372.

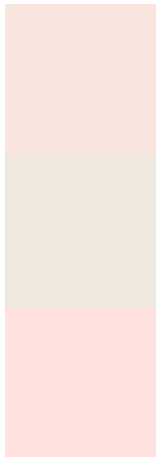


This preview shows how white text looks on a background with the Yxy color 81.2155, 0.3312, 0.3372.

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

81.2155, 0.3312, 0.3372

Protanopia

81.3917, 0.3233, 0.3383

Deuteranopia

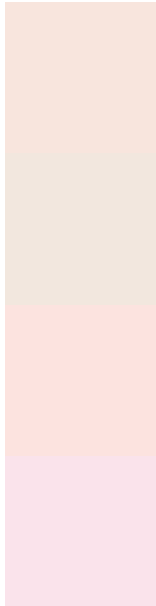
81.0345, 0.3346, 0.3311



Tritanopia

81.3730, 0.3190, 0.3122

Trichromacy



Original Color

81.2155, 0.3312, 0.3372

Protanomaly

81.3030, 0.3261, 0.3383

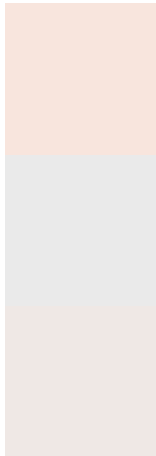
Deuteranomaly

80.9613, 0.3330, 0.3331

Tritanomaly

81.2603, 0.3235, 0.3210

Monochromacy



Original Color

81.2155, 0.3312, 0.3372

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.7211, 0.3194, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2155, 0.3312, 0.3372 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(248, 229, 221)` looks like.

```
.text, #text, p{  
    color:rgb(248, 229, 221)  
}
```

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(248, 229, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 229, 221) }
```

Border

The CSS property to change the border of an element to Yxy 81.2155, 0.3312, 0.3372 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(248, 229, 221) }
```

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

```
.border{ border-color:rgb(248, 229, 221) }
```

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

Here you see how a box with a 4 pixel rgb(248, 229, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 229, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 229, 221);  
box-shadow:4px 4px 4px 4px rgb(248, 229,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2155, 0.3312, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 229, 221) }
```

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

```
.background{ background-color: rgb(248,  
229, 221) }
```

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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