

Converting Colors

$Y_{xy}(80.5060, 0.3211, 0.3223)$

Have a look what the booklet for
Yxy(80.5060, 0.3211, 0.3223)
contains.

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Color

Yxy(80.4715, 0.3214, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	F6E3EA
RGB	246, 227, 234
RGB Percent	96%, 89%, 92%
CMY	0.0353, 0.1098, 0.0825
CMYK	0.00, 0.08, 0.05, 0.04
HSL	338°, 51%, 93%
HSV	338°, 8%, 96%
XYZ	80.3216, 80.4715, 89.1184
YIQ	233.4790, 9.0770, 6.2050

Conversions

Conversions Part 2

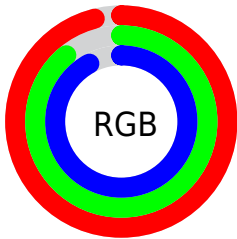
Format	Color
R _Y B	246, 227, 234
Decimal	16180202
CIE Lab	91.90, 7.65, -1.05
CIE LCh	92, 7.720, 352.149
Yxy	80.4715, 0.3214, 0.3220
Android (android.graphics.Color)	4294370282 (0xFFFF6E3EA)
YUV	233.4790, 0.2569, 10.9809
Hunter-Lab	89.7059, 2.8413, 3.8924

Details

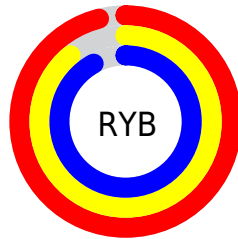
The Yxy color **80.4715, 0.3214, 0.3220** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.4758, 0.3048, 0.3361**, and the grayscale version is **81.8588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6665, 0.3239, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **67.1088, 0.3349, 0.3124**, and if you desaturate by 10%, it is **95.8424, 0.3104, 0.3310**.

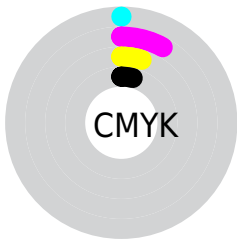
Distribution



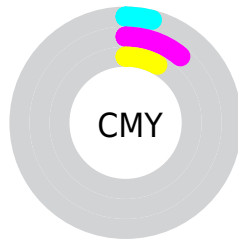
- Red (96%)
- Green (89%)
- Blue (92%)



- Red (96%)
- Yellow (89%)
- Blue (92%)



- Cyan (0%)
- Magenta (8%)
- Yellow (5%)
- Black (4%)





- Cyan (4%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4715, 0.3214, 0.3220 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 80.4715, 0.3214, 0.3220 by changing the saturation by 10% instead.

 80.4715, 0.3214,
0.3220

 80.4715, 0.3214,
0.3220


496.5204, 0.3175,
0.3252

 60.1064, 0.3223,
0.3213


134.0284, 0.3200,
0.3231

 43.5044, 0.3234,
0.3204


167.9891, 0.3195,
0.3235

 30.2811, 0.3247,
0.3193


207.2504, 0.3191,
0.3239

 20.0520, 0.3265,
0.3179

252.1967, 0.3187,
0.3242

 12.4329, 0.3288,
0.3160

303.2125, 0.3183,
0.3245

 7.0392, 0.3322,
0.3134

360.6821, 0.3180,

 3.4866, 0.3373,

0.3247

0.3093

424.9899, 0.3177,
0.3250

■ 1.3908, 0.3460,
0.3025

■ 0.2099, 0.4299,
0.2336

■ 80.4715, 0.3214,
0.3220

■ 80.4715, 0.3214,
0.3220

■ 67.1088, 0.3349,
0.3124

■ 95.8424, 0.3104,
0.3310

■ 55.6607, 0.3513,
0.3025

■ 98.3321, 0.3072,
0.3290

■ 46.0417, 0.3711,
0.2925

■ 38.1558, 0.3948,
0.2831

■ 31.8980, 0.4224,
0.2752

■ 27.1518, 0.4533,
0.2699

■ 23.7851, 0.4863,
0.2686

■ 21.6427, 0.5192,
0.2724

■ 20.5176, 0.5492,
0.2812

Harmonies

Analogous

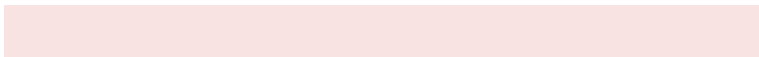
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4715, 0.3125, 0.3162



80.4715, 0.3214, 0.3220



80.4715, 0.3280, 0.3297

Triad

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



80.4715, 0.3214, 0.3220



80.4715, 0.3215, 0.3447



80.4715, 0.2953, 0.3204

Complementary

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



80.4715, 0.3214, 0.3220



88.4758, 0.3048, 0.3361

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.



80.4715, 0.2977, 0.3281



80.4715, 0.3214, 0.3220



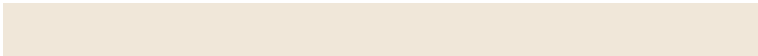
80.4715, 0.3127, 0.3423

Square

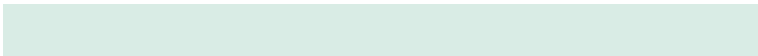
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



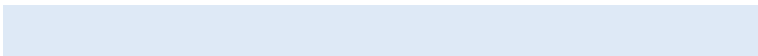
80.4715, 0.3214, 0.3220



80.4715, 0.3281, 0.3428



80.4715, 0.3040, 0.3362



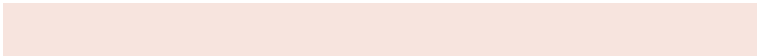
80.4715, 0.2975, 0.3152

Rectangle

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



80.4715, 0.3214, 0.3220



80.4715, 0.3302, 0.3349



80.4715, 0.3040, 0.3362



80.4715, 0.2956, 0.3228

Sweetspot

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



80.4750, 0.3214, 0.3220



96.5828, 0.3148, 0.3272



79.9544, 0.3089, 0.3098



20.7085, 0.3147, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

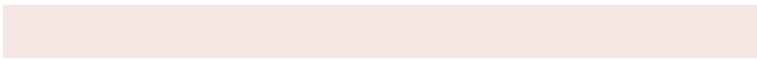
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4750, 0.3214, 0.3220



85.3203, 0.3230, 0.3208



81.4778, 0.3258, 0.3316



16.5830, 0.3236, 0.3204



10.8783, 0.5514, 0.2811



0.9752, 0.5170, 0.2622

Inverse Universe

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



80.4750, 0.3214, 0.3220



85.3203, 0.3230, 0.3208



87.3658, 0.3008, 0.3264



16.5830, 0.3236, 0.3204



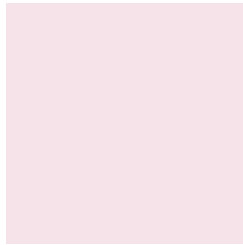
10.8783, 0.5514, 0.2811



0.9752, 0.5170, 0.2622

Previews

White Background



This preview shows how the Yxy color 80.4715, 0.3214, 0.3220 looks on a white background.

Color Contrast Check

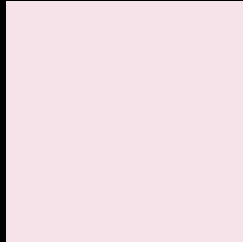
Large Text (above 18pt) WCAG AA × Fail

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 80.4715, 0.3214, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

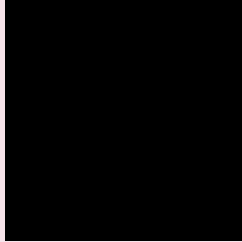
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4715, 0.3214, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 80.4715, 0.3214, 0.3220.

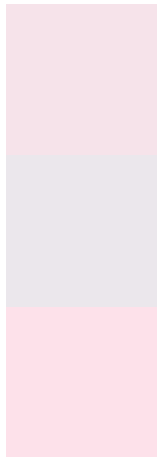


This preview shows how white text looks on a background with the Yxy color 80.4715, 0.3214, 0.3220.

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

80.4715, 0.3214, 0.3220

Protanopia

80.8701, 0.3123, 0.3239

Deuteranopia

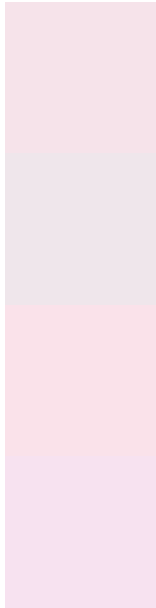
80.6736, 0.3265, 0.3201



Tritanopia

80.6379, 0.3163, 0.3120

Trichromacy



Original Color

80.4715, 0.3214, 0.3220

Protanomaly

80.9425, 0.3157, 0.3239

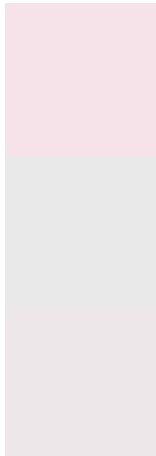
Deuteranomaly

80.6572, 0.3243, 0.3210

Tritanomaly

80.4581, 0.3182, 0.3150

Monochromacy



Original Color

80.4715, 0.3214, 0.3220

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.2122, 0.3162, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4715, 0.3214, 0.3220 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(246, 227, 234)` looks like.

```
.text, #text, p{  
    color:rgb(246, 227, 234)  
}
```

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(246, 227, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 227, 234) }
```

Border

The CSS property to change the border of an element to Yxy 80.4715, 0.3214, 0.3220 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(246, 227, 234) }
```

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

```
.border{ border-color:rgb(246, 227, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 227, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 227, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 227, 234);  
box-shadow:4px 4px 4px 4px rgb(246, 227,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4715, 0.3214, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 227, 234) }
```

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

```
.background{ background-color: rgb(246,  
227, 234) }
```

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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