

Converting Colors

$Yxy(80.2046, 0.3303, 0.3424)$

Have a look what the booklet for
Yxy(80.2046, 0.3303, 0.3424)
contains.

Yxy(80.0512, 0.3310, 0.3424)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.0512, 0.3310, 0.3424)

Conversions

Conversions Part 1

Format	Color
Hex	F3E5D8
RGB	243, 229, 216
RGB Percent	95%, 90%, 85%
CMY	0.0469, 0.1020, 0.1528
CMYK	0.00, 0.06, 0.11, 0.05
HSL	29°, 53%, 90%
HSV	29°, 11%, 95%
XYZ	77.3859, 80.0512, 76.3572
YIQ	231.7040, 12.5170, -1.0750

Conversions

Conversions Part 2

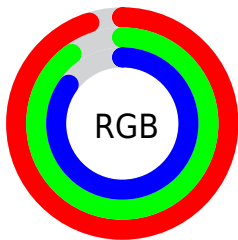
Format	Color
R _Y B	243, 241, 216
Decimal	15984088
CIE Lab	91.71, 2.63, 8.01
CIE LCh	92, 8.434, 71.842
Yxy	80.0512, 0.3310, 0.3424
Android (android.graphics.Color)	4294174168 (0xFFFF3E5D8)
YUV	231.7040, -7.7421, 9.9066
Hunter-Lab	89.4713, -2.1858, 12.0303

Details

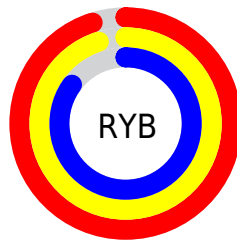
The Yxy color **80.0512, 0.3310, 0.3424** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.7048, 0.2954, 0.3152**, and the grayscale version is **80.5210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4101, 0.3356, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **72.1510, 0.3500, 0.3552**, and if you desaturate by 10%, it is **88.6530, 0.3144, 0.3303**.

Distribution



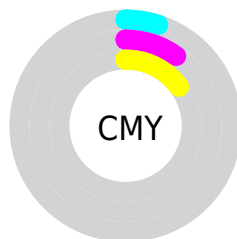
- Red (95%)
- Green (90%)
- Blue (85%)



- Red (95%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (6%)
- Yellow (11%)
- Black (5%)





- Cyan (5%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0512, 0.3310, 0.3424 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 80.0512, 0.3310, 0.3424 by changing the saturation by 10% instead.

 80.0512, 0.3310,
0.3424

 80.0512, 0.3310,
0.3424


495.1054, 0.3227,
0.3363

 59.7605, 0.3329,
0.3438


133.4377, 0.3281,
0.3403

 43.2256, 0.3352,
0.3454


167.3023, 0.3270,
0.3395

 30.0622, 0.3381,
0.3475


206.4603, 0.3260,
0.3388

 19.8858, 0.3419,
0.3501

251.2961, 0.3252,
0.3382

 12.3120, 0.3470,
0.3537

302.1941, 0.3244,
0.3376

 6.9566, 0.3542,
0.3587

359.5388, 0.3238,

 3.4350, 0.3652,

0.3372

0.3662

423.7144, 0.3232,
0.3367

■ 1.3628, 0.3845,
0.3789

■ 0.1891, 0.5633,
0.4367

■ 80.0512, 0.3310,
0.3424

■ 80.0512, 0.3310,
0.3424

■ 72.1510, 0.3500,
0.3552

■ 88.6530, 0.3144,
0.3303

■ 64.9230, 0.3717,
0.3683

■ 97.3278, 0.3054,
0.3283

■ 58.3509, 0.3959,
0.3813

■ 97.7997, 0.3054,
0.3290

■ 52.4138, 0.4225,
0.3933

■ 47.0892, 0.4508,
0.4034

■ 42.3531, 0.4795,
0.4102

■ 38.1792, 0.5069,
0.4124

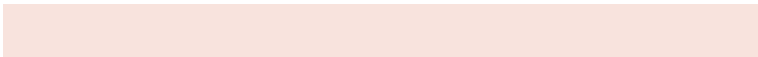
■ 34.5381, 0.5311,
0.4092

■ 31.7140, 0.5491,
0.4022

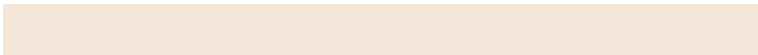
Harmonies

Analogous

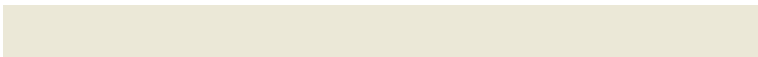
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0512, 0.3318, 0.3353



80.0512, 0.3310, 0.3424



80.0512, 0.3252, 0.3460

Triad

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



80.0512, 0.3310, 0.3424



80.0512, 0.2982, 0.3311



80.0512, 0.3091, 0.3136

Complementary

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



80.0512, 0.3310, 0.3424



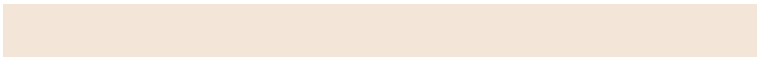
77.7048, 0.2954, 0.3152

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.



80.0512, 0.3002, 0.3123



80.0512, 0.3310, 0.3424



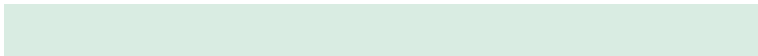
80.0512, 0.2940, 0.3222

Square

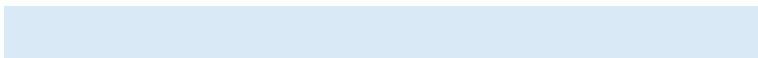
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0512, 0.3310, 0.3424



80.0512, 0.3063, 0.3395



80.0512, 0.2947, 0.3154



80.0512, 0.3190, 0.3189

Rectangle

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



80.0512, 0.3310, 0.3424



80.0512, 0.3194, 0.3459



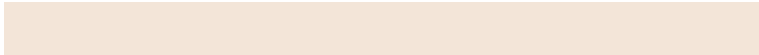
80.0512, 0.2947, 0.3154



80.0512, 0.3058, 0.3127

Sweetspot

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



80.0547, 0.3310, 0.3424



97.0062, 0.3174, 0.3325



73.9238, 0.3225, 0.3142



20.5946, 0.3187, 0.3335



0.0000, 0.0000, 0.0000



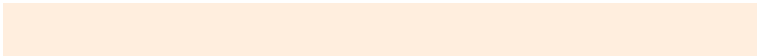
21.4041, 0.3127, 0.3290

Same Dimension

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



80.0547, 0.3310, 0.3424



87.5407, 0.3345, 0.3448



87.5996, 0.3294, 0.3556



17.7956, 0.3282, 0.3404



17.6682, 0.5466, 0.4042



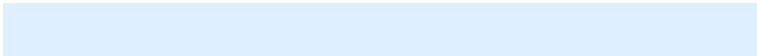
1.7575, 0.5265, 0.4202

Inverse Universe

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



77.7048, 0.2954, 0.3152



84.5062, 0.2924, 0.3127



70.6654, 0.2952, 0.3010



17.3518, 0.2980, 0.3173



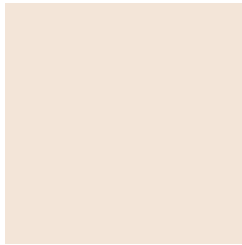
12.0562, 0.1790, 0.1643



1.2654, 0.1851, 0.1863

Previews

White Background



This preview shows how the Yxy color 80.0512, 0.3310, 0.3424 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 80.0512, 0.3310, 0.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

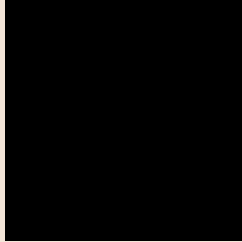
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

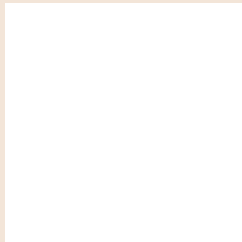
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0512, 0.3310, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 80.0512, 0.3310, 0.3424.

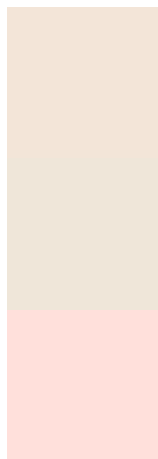


This preview shows how white text looks on a background with the Yxy color 80.0512, 0.3310, 0.3424.

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

80.0512, 0.3310, 0.3424

Protanopia

79.9541, 0.3274, 0.3425

Deuteranopia

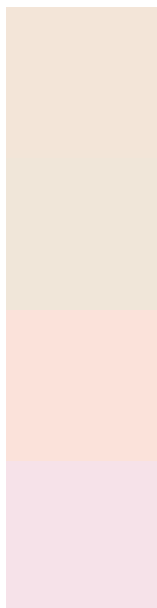
79.6858, 0.3383, 0.3341



Tritanopia

80.0956, 0.3163, 0.3110

Trichromacy



Original Color

80.0512, 0.3310, 0.3424

Protanomaly

80.1286, 0.3281, 0.3425

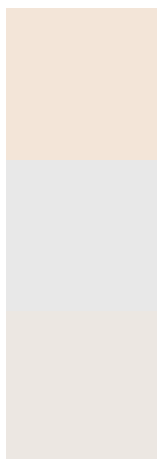
Deuteranomaly

79.9639, 0.3358, 0.3372

Tritanomaly

79.8687, 0.3221, 0.3220

Monochromacy



Original Color

80.0512, 0.3310, 0.3424

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.4757, 0.3193, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0512, 0.3310, 0.3424 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(243, 229, 216)` looks like.

```
.text, #text, p{  
    color:rgb(243, 229, 216)  
}
```

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(243, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 229, 216) }
```

Border

The CSS property to change the border of an element to Yxy 80.0512, 0.3310, 0.3424 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(243, 229, 216) }
```

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

```
.border{ border-color:rgb(243, 229, 216) }
```

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

Here you see how a box with a 4 pixel rgb(243, 229, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 229, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 229, 216);  
box-shadow:4px 4px 4px 4px rgb(243, 229,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0512, 0.3310, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 229, 216) }
```

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

```
.background{ background-color: rgb(243,  
229, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor