

Converting Colors

Yxy(87.6514, 0.3232, 0.3423)

Have a look what the booklet for
Yxy(87.6514, 0.3232, 0.3423)
contains.

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Color

Yxy(87.7451, 0.3227, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	F4F1E4
RGB	244, 241, 228
RGB Percent	96%, 95%, 89%
CMY	0.0431, 0.0549, 0.1059
CMYK	0.00, 0.01, 0.07, 0.04
HSL	49°, 42%, 93%
HSV	49°, 7%, 96%
XYZ	82.7692, 87.7451, 85.9753
YIQ	240.4150, 5.9610, -3.4070

Conversions

Conversions Part 2

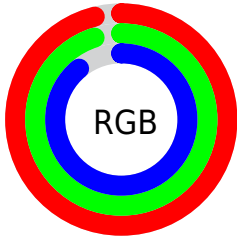
Format	Color
R _Y B	232, 244, 228
Decimal	16052708
CIE Lab	95.05, -1.21, 6.62
CIE LCh	95, 6.725, 100.350
Yxy	87.7451, 0.3227, 0.3421
Android (android.graphics.Color)	4294242788 (0xFFFF4F1E4)
YUV	240.4150, -6.1206, 3.1440
Hunter-Lab	93.6724, -6.2034, 11.1525

Details

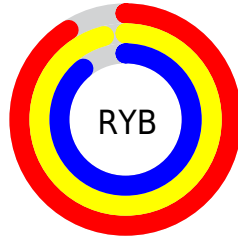
The Yxy color **87.7451, 0.3227, 0.3421** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.1841, 0.3026, 0.3156**, and the grayscale version is **87.5283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4064, 0.3247, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **83.8096, 0.3388, 0.3628**, and if you desaturate by 10%, it is **91.9477, 0.3077, 0.3223**.

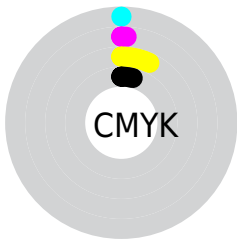
Distribution



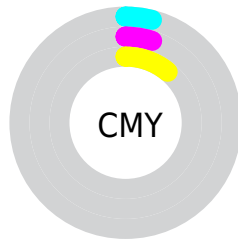
- Red (96%)
- Green (95%)
- Blue (89%)



- Red (91%)
- Yellow (96%)
- Blue (89%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (4%)



- Cyan (4%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7451, 0.3227, 0.3421 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 87.7451, 0.3227, 0.3421 by changing the saturation by 10% instead.

87.7451, 0.3227,
0.3421

87.7451, 0.3227,
0.3421

520.6681, 0.3182,
0.3362

66.1120, 0.3237,
0.3434

144.2022, 0.3212,
0.3401

48.3633, 0.3249,
0.3450

179.7950, 0.3206,
0.3393

34.1147, 0.3264,
0.3470

220.8099, 0.3201,
0.3386

22.9817, 0.3283,
0.3495

267.6311, 0.3196,
0.3380

14.5800, 0.3308,
0.3529

320.6432, 0.3192,
0.3375

8.5252, 0.3343,
0.3576

380.2304, 0.3188,

4.4328, 0.3395,

0.3370

0.3647

446.7773, 0.3185,
0.3366

■ 1.9185, 0.3480,
0.3762

■ 0.5595, 0.4156,
0.4630

■ 87.7451, 0.3227,
0.3421

■ 87.7451, 0.3227,
0.3421

■ 83.8096, 0.3388,
0.3628

■ 91.9477, 0.3077,
0.3223

■ 80.1214, 0.3559,
0.3839

■ 94.9288, 0.3061,
0.3243

■ 76.6751, 0.3735,
0.4048

■ 97.8131, 0.3060,
0.3287

■ 73.4611, 0.3911,
0.4246

■ 97.9745, 0.3060,
0.3290

■ 70.4688, 0.4081,
0.4424

■ 67.6866, 0.4237,
0.4571

■ 65.1014, 0.4371,
0.4677

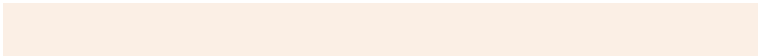
■ 62.6978, 0.4477,
0.4737

■ 60.4567, 0.4554,
0.4750

Harmonies

Analogous

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



87.7451, 0.3270, 0.3392



87.7451, 0.3227, 0.3421



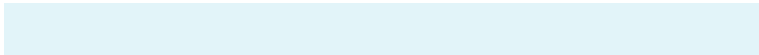
87.7451, 0.3158, 0.3415

Triad

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



87.7451, 0.3227, 0.3421



87.7451, 0.2983, 0.3241



87.7451, 0.3172, 0.3209

Complementary

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



87.7451, 0.3227, 0.3421



80.1841, 0.3026, 0.3156

Split Complementary

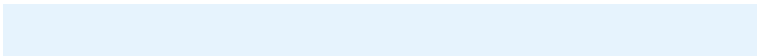
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7451, 0.3095, 0.3169



87.7451, 0.3227, 0.3421



87.7451, 0.2987, 0.3187

Square

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



87.7451, 0.3227, 0.3421



87.7451, 0.3017, 0.3310



87.7451, 0.3027, 0.3161



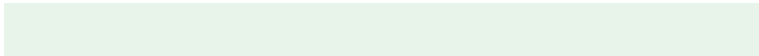
87.7451, 0.3238, 0.3269

Rectangle

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



87.7451, 0.3227, 0.3421



87.7451, 0.3106, 0.3391



87.7451, 0.3027, 0.3161



87.7451, 0.3147, 0.3193

Sweetspot

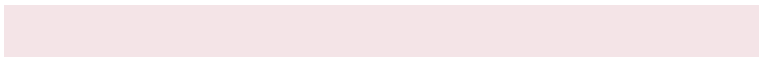
The Sweet Spot groups the original color and five complimentary colors.



87.7489, 0.3227, 0.3421



99.0665, 0.3157, 0.3330



80.5053, 0.3217, 0.3258



21.2141, 0.3156, 0.3328



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

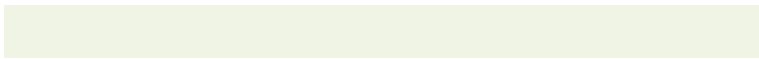
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7489, 0.3227, 0.3421



96.3357, 0.3250, 0.3451



88.6947, 0.3193, 0.3452



18.7536, 0.3273, 0.3481



32.6560, 0.4569, 0.4754



3.0036, 0.4513, 0.4798

Inverse Universe

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



80.1841, 0.3026, 0.3156



86.2139, 0.3003, 0.3124



79.3128, 0.3059, 0.3126



16.4300, 0.2979, 0.3092



4.7506, 0.1549, 0.0776



0.5517, 0.1607, 0.0985

Previews

White Background



This preview shows how the Yxy color 87.7451, 0.3227, 0.3421 looks on a white background.

Color Contrast Check

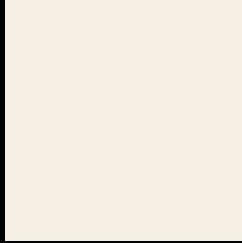
Large Text (above 18pt) WCAG AA × Fail

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 87.7451, 0.3227, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

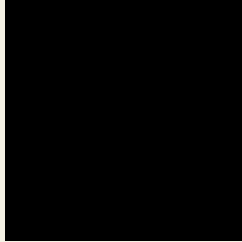
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

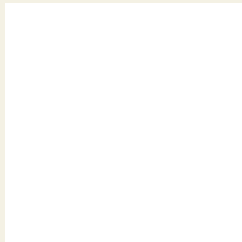
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7451, 0.3227, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 87.7451, 0.3227, 0.3421.

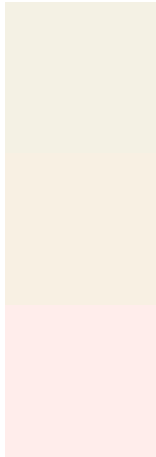


This preview shows how white text looks on a background with the Yxy color 87.7451, 0.3227, 0.3421.

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

87.7451, 0.3227, 0.3421

Protanopia

87.8227, 0.3261, 0.3420

Deuteranopia

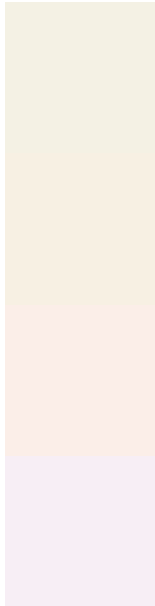
87.8265, 0.3261, 0.3310



Tritanopia

87.7448, 0.3089, 0.3114

Trichromacy



Original Color

87.7451, 0.3227, 0.3421

Protanomaly

87.6404, 0.3254, 0.3421

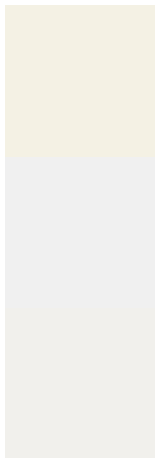
Deuteranomaly

87.4845, 0.3252, 0.3350

Tritanomaly

87.5158, 0.3144, 0.3221

Monochromacy



Original Color

87.7451, 0.3227, 0.3421

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.0771, 0.3158, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7451, 0.3227, 0.3421 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(244, 241, 228)` looks like.

```
.text, #text, p{  
    color:rgb(244, 241, 228)  
}
```

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(244, 241, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 241, 228) }
```

Border

The CSS property to change the border of an element to Yxy 87.7451, 0.3227, 0.3421 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(244, 241, 228) }
```

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

```
.border{ border-color:rgb(244, 241, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 241, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 241, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 241, 228);  
box-shadow:4px 4px 4px 4px rgb(244, 241,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7451, 0.3227, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 241, 228) }
```

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

```
.background{ background-color: rgb(244,  
241, 228) }
```

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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