

Converting Colors

$Y_{xy}(42.1875, 0.4197, 0.3156)$

Have a look what the booklet for
Yxy(42.1875, 0.4197, 0.3156)
contains.

Yxy(42.1269, 0.4197, 0.3157)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.1269, 0.4197, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	FE8C99
RGB	254, 140, 153
RGB Percent	100%, 55%, 60%
CMY	0.0038, 0.4510, 0.4001
CMYK	0.00, 0.45, 0.40, 0.00
HSL	353°, 98%, 77%
HSV	353°, 45%, 100%
XYZ	56.0046, 42.1269, 35.3081
YIQ	175.5680, 63.7710, 28.2110

Conversions

Conversions Part 2

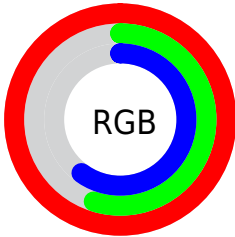
Format	Color
R_{YB}	254, 140, 153
Decimal	16682137
CIE Lab	70.96, 44.36, 12.52
CIE LCh	71, 46.092, 15.766
Yxy	42.1269, 0.4197, 0.3157
Android (android.graphics.Color)	4294872217 (0xFFFE8C99)
YUV	175.5680, -11.1260, 68.7849
Hunter-Lab	64.9052, 40.4377, 13.1802

Details

The Yxy color **42.1269, 0.4197, 0.3157** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.8234, 0.2579, 0.3438**, and the grayscale version is **43.2139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7952, 0.3521, 0.3168**, and **19.2450, 0.4517, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **34.8682, 0.4588, 0.3135**, and if you desaturate by 10%, it is **51.2433, 0.3866, 0.3186**.

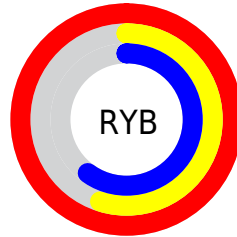
Distribution



Red (100%)

Green (55%)

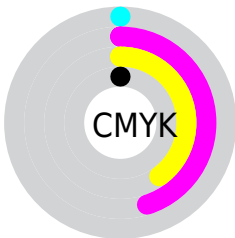
Blue (60%)



Red (100%)

Yellow (55%)

Blue (60%)

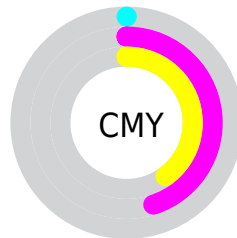


Cyan (0%)

Magenta (45%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1269, 0.4197, 0.3157 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 42.1269, 0.4197, 0.3157 by changing the saturation by 10% instead.


 42.1269, 0.4197,
0.3157


 42.1269, 0.4197,
0.3157


355.0087, 0.3649,
0.3240


 29.2007, 0.4337,
0.3131


 78.3916, 0.3995,
0.3191

 19.2327, 0.4517,
0.3095


 102.4990, 0.3920,
0.3203

 11.8385, 0.4758,
0.3042


 131.1021, 0.3857,
0.3212

 6.6338, 0.5096,
0.2959

164.5854, 0.3803,
0.3220

 3.2342, 0.5593,
0.2816

203.3333, 0.3757,
0.3226

 1.2552, 0.6492,
0.2589

247.7303, 0.3716,

 0.1061, 0.9207,

0.3232

0.0793

298.1606, 0.3680,
0.3236

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.1269, 0.4197,
0.3157

42.1269, 0.4197,
0.3157

34.8682, 0.4588,
0.3135

51.2433, 0.3866,
0.3186

29.3333, 0.5026,
0.3125

62.3264, 0.3595,
0.3216

25.3808, 0.5477,
0.3134

75.4844, 0.3376,
0.3247

22.8439, 0.5885,
0.3164

90.8157, 0.3200,
0.3276

■ 21.5180, 0.6186,
0.3214

99.8143, 0.3121,
0.3290

■ 21.1626, 0.6290,
0.3239

Harmonies

Analogous

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



42.1269, 0.3614, 0.2712



42.1269, 0.4197, 0.3157



42.1269, 0.4452, 0.3659

Triad

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



42.1269, 0.4197, 0.3157



42.1269, 0.3205, 0.4447



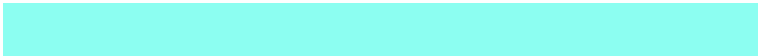
42.1269, 0.2041, 0.2354

Complementary

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



42.1269, 0.4197, 0.3157



82.8234, 0.2579, 0.3438

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.



42.1269, 0.1960, 0.2699



42.1269, 0.4197, 0.3157



42.1269, 0.2588, 0.3985

Square

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



42.1269, 0.4197, 0.3157



42.1269, 0.3835, 0.4467



42.1269, 0.2145, 0.3293



42.1269, 0.2374, 0.2263

Rectangle

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



42.1269, 0.4197, 0.3157



42.1269, 0.4394, 0.3988



42.1269, 0.2145, 0.3293



42.1269, 0.1985, 0.2440

Sweetspot

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



42.1290, 0.4197, 0.3157



78.8933, 0.3340, 0.3253



44.5632, 0.3064, 0.2152



16.2000, 0.3382, 0.3246



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.



42.1290, 0.4197, 0.3157



35.7455, 0.4551, 0.3137



57.1264, 0.4115, 0.3750



18.0207, 0.3276, 0.3263



11.1659, 0.6266, 0.3226



1.0975, 0.6034, 0.3098

Inverse Universe

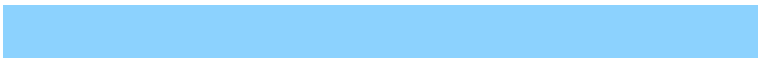
The Inverse Universe completely reimagines the original color for something new.



42.1290, 0.4197, 0.3157



35.7455, 0.4551, 0.3137



58.9787, 0.2431, 0.2766



18.0207, 0.3276, 0.3263



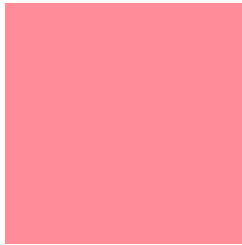
11.1659, 0.6266, 0.3226



1.0975, 0.6034, 0.3098

Previews

White Background



This preview shows how the Yxy color 42.1269, 0.4197, 0.3157 looks on a white background.

Color Contrast Check

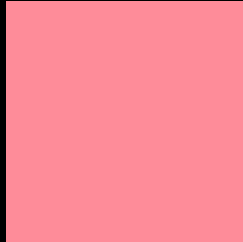
Large Text (above 18pt) WCAG AA × Fail

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 42.1269, 0.4197, 0.3157 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 42.1269, 0.4197, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 42.1269, 0.4197, 0.3157.



This preview shows how white text looks on a background with the Yxy color 42.1269, 0.4197, 0.3157.

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

42.1269, 0.4197, 0.3157

Protanopia

42.2924, 0.3189, 0.3317

Deuteranopia

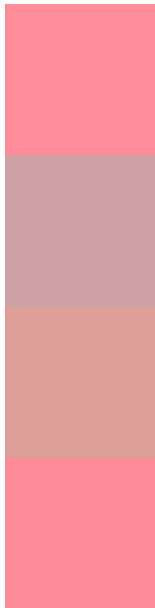
42.4227, 0.3612, 0.3549



Tritanopia

42.0614, 0.4219, 0.3178

Trichromacy



Original Color

42.1269, 0.4197, 0.3157

Protanomaly

41.2919, 0.3538, 0.3253

Deuteranomaly

41.8714, 0.3824, 0.3389

Tritanomaly

42.0940, 0.4208, 0.3167

Monochromacy



Original Color

42.1269, 0.4197, 0.3157

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

41.8589, 0.3475, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1269, 0.4197, 0.3157 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(254, 140, 153)` looks like.

```
.text, #text, p{  
    color:rgb(254, 140, 153)  
}
```

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(254, 140, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 140, 153) }
```

Border

The CSS property to change the border of an element to Yxy 42.1269, 0.4197, 0.3157 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(254, 140, 153) }
```

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

```
.border{ border-color:rgb(254, 140, 153) }
```

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

Here you see how a box with a 4 pixel rgb(254, 140, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 140, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 140, 153);  
box-shadow:4px 4px 4px 4px rgb(254, 140,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1269, 0.4197, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 140, 153) }
```

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

```
.background{ background-color: rgb(254,  
140, 153) }
```

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