

Converting Colors

$Y_{xy}(53.2120, 0.3170, 0.2372)$

Have a look what the booklet for
Yxy(53.2120, 0.3170, 0.2372)
contains.

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Color

Yxy(53.3682, 0.3170, 0.2372)

Conversions

Conversions Part 1

Format	Color
Hex	FEA0FE
RGB	254, 160, 254
RGB Percent	100%, 63%, 100%
CMY	0.0041, 0.3724, 0.0039
CMYK	0.00, 0.37, 0.00, 0.00
HSL	300°, 98%, 81%
HSV	300°, 37%, 100%
XYZ	71.3226, 53.3682, 100.3016
YIQ	198.8220, 25.8500, 49.1620

Conversions

Conversions Part 2

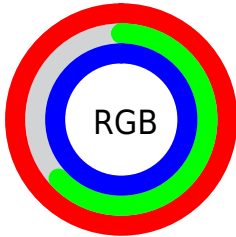
Format	Color
RYB	254, 160, 254
Decimal	16687358
CIELab	78.09, 48.79, -32.37
CIELCh	78, 58.555, 326.435
Yxy	53.3682, 0.3170, 0.2372
Android (android.graphics.Color)	4294877438 (0xFFFEA0FE)
YUV	198.8220, 27.2028, 48.3911
Hunter-Lab	73.0535, 46.4269, -30.2670

Details

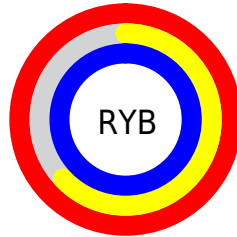
The Yxy color **53.3682, 0.3170, 0.2372** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.8976, 0.3074, 0.4418**, and the grayscale version is **56.8200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **26.0750, 0.3168, 0.2174** is the 20% darker color. If you saturate the color by 10%, you get **45.4424, 0.3181, 0.2146**, and if you desaturate by 10%, it is **63.0975, 0.3159, 0.2616**.

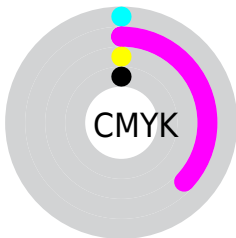
Distribution



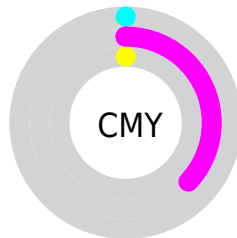
- Red (100%)
- Green (63%)
- Blue (100%)



- Red (100%)
- Yellow (63%)
- Blue (100%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3682, 0.3170, 0.2372 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 53.3682, 0.3170, 0.2372 by changing the saturation by 10% instead.


 53.3682, 0.3170,
0.2372


 53.3682, 0.3170,
0.2372


399.6962, 0.3163,
0.2782

 38.0968, 0.3169,
0.2282


 95.1460, 0.3170,
0.2511

 26.0578, 0.3165,
0.2174


 122.4211, 0.3169,
0.2566

 16.8669, 0.3159,
0.2040


154.4662, 0.3169,
0.2614

 10.1396, 0.3146,
0.1872

191.6658, 0.3167,
0.2656

 5.4916, 0.3122,
0.1655

234.4042, 0.3166,
0.2693

 2.5385, 0.3074,
0.1369

283.0658, 0.3165,

 0.8959, 0.2973,

0.2726

0.0985

338.0350, 0.3164,
0.2756

■ 0.0000, 0.2874,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.3682, 0.3170,
0.2372

■ 53.3682, 0.3170,
0.2372

■ 45.4424, 0.3181,
0.2146

■ 63.0975, 0.3159,
0.2616

■ 39.2029, 0.3190,
0.1947

■ 74.7243, 0.3147,
0.2867

■ 34.5296, 0.3197,
0.1784

■ 88.3442, 0.3135,
0.3118

■ 31.2837, 0.3203,
0.1662

99.7453, 0.3127,
0.3300

■ 29.3021, 0.3207,
0.1585

99.7467, 0.3127,
0.3300

■ 28.3770, 0.3208,
0.1548

99.7481, 0.3127,
0.3300

■ 28.2109, 0.3208,
0.1541

99.7495, 0.3127,
0.3300

99.7509, 0.3127,
0.3300

99.7523, 0.3127,
0.3300

Harmonies

Analogous

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



53.3682, 0.2454, 0.2142



53.3682, 0.3170, 0.2372



53.3682, 0.3968, 0.2788

Triad

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



53.3682, 0.3170, 0.2372



53.3682, 0.4317, 0.4422



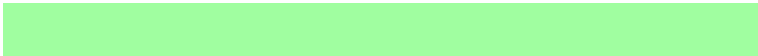
53.3682, 0.1884, 0.3003

Complementary

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



53.3682, 0.3170, 0.2372



80.8976, 0.3074, 0.4418

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.



53.3682, 0.2281, 0.3827



53.3682, 0.3170, 0.2372



53.3682, 0.3680, 0.4725

Square

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



53.3682, 0.3170, 0.2372



53.3682, 0.4658, 0.3893



53.3682, 0.2934, 0.4534



53.3682, 0.1790, 0.2417

Rectangle

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



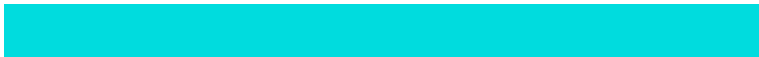
53.3682, 0.3170, 0.2372



53.3682, 0.4396, 0.3134



53.3682, 0.2934, 0.4534



53.3682, 0.1983, 0.3262

Sweetspot

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



53.3706, 0.3170, 0.2372



83.3893, 0.3140, 0.3018



40.3290, 0.2449, 0.2183



17.4480, 0.3141, 0.2984



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.



53.3706, 0.3170, 0.2372



48.0587, 0.3178, 0.2211



50.8029, 0.3563, 0.2789



18.3001, 0.3138, 0.3056



14.8742, 0.3208, 0.1541



1.4483, 0.3209, 0.1541

Inverse Universe

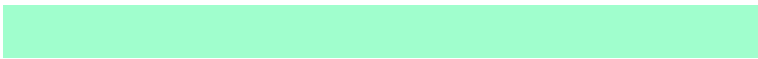
The Inverse Universe completely reimagines the original color for something new.



48.7604, 0.4038, 0.3292



42.8230, 0.4305, 0.3293



82.7850, 0.2843, 0.3858



17.9872, 0.3295, 0.3290



11.1089, 0.6400, 0.3300



1.0817, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 53.3682, 0.3170, 0.2372 looks on a white background.

Color Contrast Check

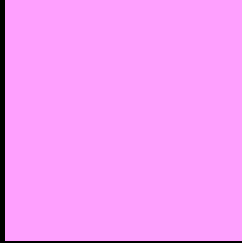
Large Text (above 18pt) WCAG AA × Fail

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 53.3682, 0.3170, 0.2372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

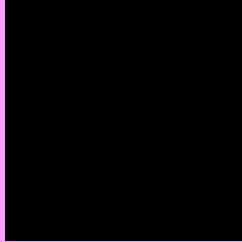
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.3682, 0.3170, 0.2372

Background



This preview shows how black text looks on a background with the Yxy color 53.3682, 0.3170, 0.2372.



This preview shows how white text looks on a background with the Yxy color 53.3682, 0.3170, 0.2372.

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

53.3682, 0.3170, 0.2372

Protanopia

53.5956, 0.2588, 0.2552

Deuteranopia

53.6715, 0.2680, 0.2620



Tritanopia

53.2724, 0.3653, 0.3151

Trichromacy



Original Color

53.3682, 0.3170, 0.2372



Protanomaly

52.6999, 0.2775, 0.2467



Deuteranomaly

52.6976, 0.2844, 0.2511



Tritanomaly

53.0355, 0.3473, 0.2849

Monochromacy



Original Color

53.3682, 0.3170, 0.2372



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

54.8725, 0.3145, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3682, 0.3170, 0.2372 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, 160, 254)` looks like.

```
.text, #text, p{  
    color:rgb(254, 160, 254)  
}
```

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, 160, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 160, 254) }
```

Border

The CSS property to change the border of an element to Yxy 53.3682, 0.3170, 0.2372 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, 160, 254) }
```

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

```
.border{ border-color:rgb(254, 160, 254) }
```

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

Here you see how a box with a 4 pixel rgb(254, 160, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 160, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 160, 254);  
box-shadow:4px 4px 4px 4px rgb(254, 160,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3682, 0.3170, 0.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 160, 254) }
```

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

```
.background{ background-color: rgb(254,  
160, 254) }
```

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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