

Converting Colors

$Y_{xy}(62.4736, 0.3798, 0.2699)$

Have a look what the booklet for
Yxy(62.4736, 0.3798, 0.2699)
contains.

Yxy(52.0030, 0.3396, 0.2604)	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(52.0030, 0.3396, 0.2604)

Conversions

Conversions Part 1

Format	Color
Hex	FFA0E4
RGB	255, 160, 228
RGB Percent	100%, 63%, 89%
CMY	0.0000, 0.3726, 0.1058
CMYK	0.00, 0.37, 0.11, 0.00
HSL	317°, 100%, 81%
HSV	317°, 37%, 100%
XYZ	67.8196, 52.0030, 79.8817
YIQ	196.1570, 34.7920, 41.2880

Conversions

Conversions Part 2

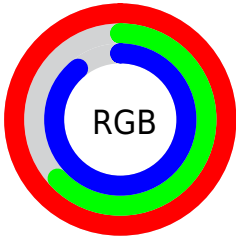
Format	Color
R_{YB}	255, 160, 228
Decimal	16752868
CIE _{Lab}	77.28, 44.72, -19.55
CIE _{LCh}	77, 48.802, 336.385
Yxy	52.0030, 0.3396, 0.2604
Android (android.graphics.Color)	4294942948 (0xFFFFA0E4)
YUV	196.1570, 15.6986, 51.6053
Hunter-Lab	72.1131, 41.6744, -15.1980

Details

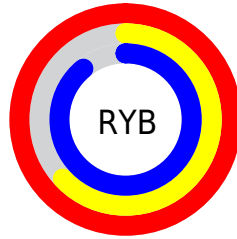
The Yxy color **52.0030, 0.3396, 0.2604** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.5798, 0.2937, 0.4096**, and the grayscale version is **55.1895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **25.1569, 0.3466, 0.2447** is the 20% darker color. If you saturate the color by 10%, you get **43.6572, 0.3494, 0.2427**, and if you desaturate by 10%, it is **62.1800, 0.3309, 0.2791**.

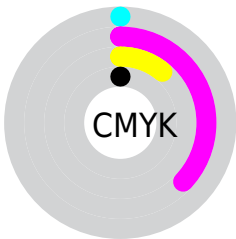
Distribution



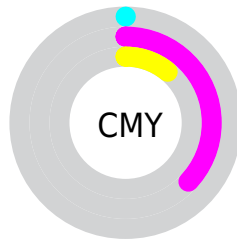
- Red (100%)
- Green (63%)
- Blue (89%)



- Red (100%)
- Yellow (63%)
- Blue (89%)



- Cyan (0%)
- Magenta (37%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0030, 0.3396, 0.2604 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 52.0030, 0.3396, 0.2604 by changing the saturation by 10% instead.


 52.0030, 0.3396,
0.2604


 52.0030, 0.3396,
0.2604


394.4482, 0.3274,
0.2920

 37.0075, 0.3423,
0.2533


 93.1357, 0.3354,
0.2713

 25.2133, 0.3457,
0.2445


 120.0416, 0.3338,
0.2756

 16.2360, 0.3498,
0.2334


151.6864, 0.3323,
0.2792

 9.6913, 0.3552,
0.2191

188.4546, 0.3311,
0.2824

 5.1948, 0.3622,
0.2000

230.7304, 0.3300,
0.2853

 2.3620, 0.3718,
0.1733

278.8984, 0.3290,

 0.8062, 0.3855,

0.2878

0.1339

333.3428, 0.3281,
0.2900

0.0000, 0.4362,
0.0000

0.0000, 0.0000,
0.0000

52.0030, 0.3396,
0.2604

52.0030, 0.3396,
0.2604

43.6572, 0.3494,
0.2427

62.1800, 0.3309,
0.2791

37.0287, 0.3603,
0.2269

74.2885, 0.3233,
0.2978

31.9942, 0.3719,
0.2142

88.4239, 0.3168,
0.3162

28.4126, 0.3839,
0.2055

100.0000, 0.3127,
0.3290

■ 26.1183, 0.3959,
0.2017

■ 24.8974, 0.4075,
0.2028

■ 24.6624, 0.4107,
0.2036

Harmonies

Analogous

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



52.0030, 0.2743, 0.2343



52.0030, 0.3396, 0.2604



52.0030, 0.4029, 0.3012

Triad

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



52.0030, 0.3396, 0.2604



52.0030, 0.3996, 0.4379



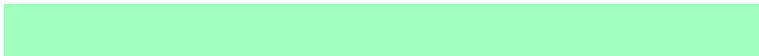
52.0030, 0.2002, 0.2868

Complementary

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



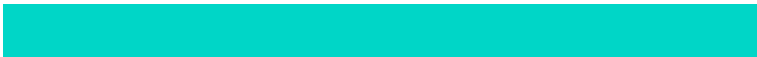
52.0030, 0.3396, 0.2604



82.5798, 0.2937, 0.4096

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.



52.0030, 0.2269, 0.3510



52.0030, 0.3396, 0.2604



52.0030, 0.3407, 0.4485

Square

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



52.0030, 0.3396, 0.2604



52.0030, 0.4374, 0.3991



52.0030, 0.2774, 0.4157



52.0030, 0.2000, 0.2444

Rectangle

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



52.0030, 0.3396, 0.2604



52.0030, 0.4317, 0.3333



52.0030, 0.2774, 0.4157



52.0030, 0.2061, 0.3063

Sweetspot

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



52.0037, 0.3396, 0.2604



82.8885, 0.3191, 0.3094



42.9147, 0.2631, 0.2210



17.3279, 0.3200, 0.3069



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.



52.0037, 0.3396, 0.2604



45.3859, 0.3471, 0.2466



49.7197, 0.3842, 0.3076



18.2072, 0.3182, 0.3121



12.9136, 0.4088, 0.2026



1.2761, 0.3964, 0.1957

Inverse Universe

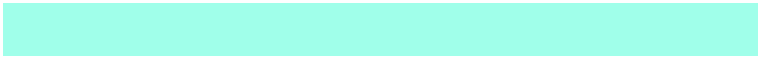
The Inverse Universe completely reimagines the original color for something new.



52.0037, 0.3396, 0.2604



45.3859, 0.3471, 0.2466



84.9578, 0.2701, 0.3522



18.2072, 0.3182, 0.3121



12.9136, 0.4088, 0.2026



1.2761, 0.3964, 0.1957

Previews

White Background



This preview shows how the Yxy color 52.0030, 0.3396, 0.2604 looks on a white background.

Color Contrast Check

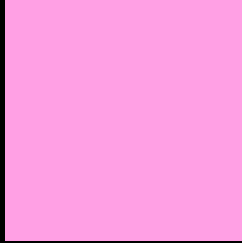
Large Text (above 18pt) WCAG AA × Fail

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 52.0030, 0.3396, 0.2604 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 52.0030, 0.3396, 0.2604

Background



This preview shows how black text looks on a background with the Yxy color 52.0030, 0.3396, 0.2604.

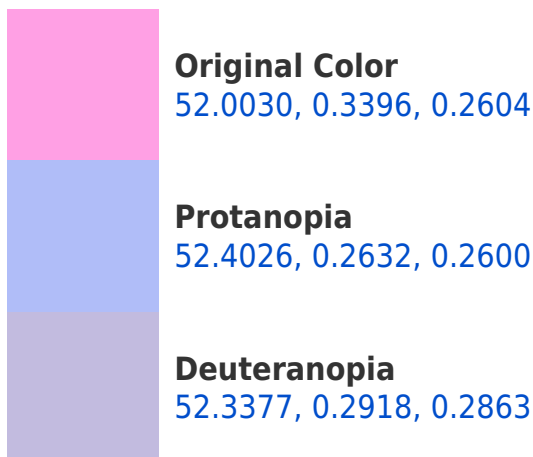


This preview shows how white text looks on a background with the Yxy color 52.0030, 0.3396, 0.2604.

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





Tritanopia

52.0773, 0.3757, 0.3153

Trichromacy



Original Color

52.0030, 0.3396, 0.2604



Protanomaly

51.1708, 0.2874, 0.2581



Deuteranomaly

51.4795, 0.3078, 0.2749



Tritanomaly

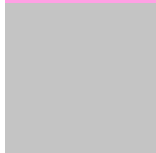
52.0914, 0.3623, 0.2945

Monochromacy



Original Color

52.0030, 0.3396, 0.2604



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.1728, 0.3216, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0030, 0.3396, 0.2604 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(255, 160, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 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(255, 160, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 228) }
```

Border

The CSS property to change the border of an element to Yxy 52.0030, 0.3396, 0.2604 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(255, 160, 228) }
```

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

```
.border{ border-color:rgb(255, 160, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 160, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 160, 228); box-shadow:4px 4px 4px 4px rgb(255, 160, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0030, 0.3396, 0.2604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 228) }
```

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

```
.background{ background-color: rgb(255,  
160, 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](#).

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