

Converting Colors

$Y_{xy}(34.2753, 0.4076, 0.2592)$

Have a look what the booklet for
Yxy(34.2753, 0.4076, 0.2592)
contains.

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Color

Yxy(34.2166, 0.4082, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	FF68AE
RGB	255, 104, 174
RGB Percent	100%, 41%, 68%
CMY	0.0001, 0.5920, 0.3176
CMYK	0.00, 0.59, 0.32, 0.00
HSL	332°, 100%, 70%
HSV	332°, 59%, 100%
XYZ	53.8236, 34.2166, 43.8157
YIQ	157.1290, 67.5260, 53.7820

Conversions

Conversions Part 2

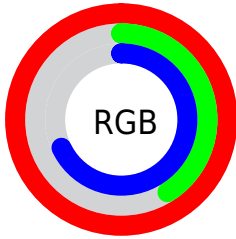
Format	Color
R_{YB}	255, 104, 174
Decimal	16738478
CIE _{Lab}	65.13, 63.95, -7.77
CIE _{LCh}	65, 64.419, 353.072
Yxy	34.2166, 0.4082, 0.2595
Android (android.graphics.Color)	4294928558 (0xFFFF68AE)
YUV	157.1290, 8.3174, 85.8329
Hunter-Lab	58.4950, 61.8789, -3.4648

Details

The Yxy color **34.2166, 0.4082, 0.2595** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.9508, 0.2693, 0.4180**, and the grayscale version is **33.7220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4069, 0.3386, 0.2605**, and **14.6022, 0.4361, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **29.3297, 0.4338, 0.2526**, and if you desaturate by 10%, it is **40.7126, 0.3851, 0.2694**.

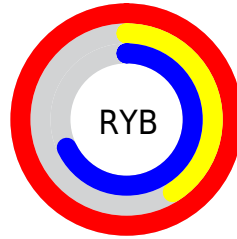
Distribution



Red (100%)

Green (41%)

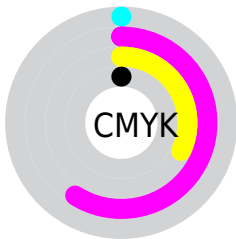
Blue (68%)



Red (100%)

Yellow (41%)

Blue (68%)

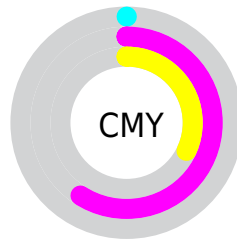


Cyan (0%)

Magenta (59%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2166, 0.4082, 0.2595 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 34.2166, 0.4082, 0.2595 by changing the saturation by 10% instead.


 34.2166, 0.4082,
0.2595


 34.2166, 0.4082,
0.2595

321.0968, 0.3591,
0.2944

 23.0600, 0.4208,
0.2508


 66.2704, 0.3901,
0.2722


 14.6379, 0.4372,
0.2397


 87.9364, 0.3833,
0.2769

 8.5656, 0.4593,
0.2250


 113.8743, 0.3777,
0.2810

 4.4590, 0.4905,
0.2048

 144.4685, 0.3729,
0.2844

 1.9335, 0.5374,
0.1757

180.1035, 0.3687,
0.2874

 0.5684, 0.6190,
0.1241

221.1636, 0.3651,

 0.0000, 1.0000,

0.2900

0.0000

268.0333, 0.3619,
0.2923

0.0000, 0.0000,
0.0000

34.2166, 0.4082,
0.2595

34.2166, 0.4082,
0.2595

29.3297, 0.4338,
0.2526

40.7126, 0.3851,
0.2694

25.9003, 0.4609,
0.2500

48.9407, 0.3651,
0.2812

23.7567, 0.4881,
0.2528

59.0178, 0.3480,
0.2937

22.6385, 0.5138,
0.2608

71.0492, 0.3336,
0.3062

22.5679, 0.5158,
0.2615

85.1321, 0.3218,
0.3184

99.9950, 0.3127,
0.3290

Harmonies

Analogous

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



34.2166, 0.3053, 0.2127



34.2166, 0.4082, 0.2595



34.2166, 0.4873, 0.3206

Triad

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



34.2166, 0.4082, 0.2595



34.2166, 0.3858, 0.5082



34.2166, 0.1500, 0.2244

Complementary

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



34.2166, 0.4082, 0.2595



77.9508, 0.2693, 0.4180

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.



34.2166, 0.1632, 0.2998



34.2166, 0.4082, 0.2595



34.2166, 0.2945, 0.4996

Square

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



34.2166, 0.4082, 0.2595



34.2166, 0.4637, 0.4567



34.2166, 0.2129, 0.4105



34.2166, 0.1690, 0.1902

Rectangle

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



34.2166, 0.4082, 0.2595



34.2166, 0.5068, 0.3651



34.2166, 0.2129, 0.4105



34.2166, 0.1507, 0.2446

Sweetspot

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



34.2184, 0.4082, 0.2595



72.6445, 0.3321, 0.3077



27.3818, 0.2555, 0.1631



14.7397, 0.3359, 0.3041



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.



34.2184, 0.4082, 0.2595



28.6155, 0.4386, 0.2518



33.2059, 0.4954, 0.3343



18.1272, 0.3221, 0.3180



11.8244, 0.5119, 0.2594



1.1731, 0.4845, 0.2443

Inverse Universe

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



34.2184, 0.4082, 0.2595



28.6155, 0.4386, 0.2518



78.4985, 0.2383, 0.3229



18.1272, 0.3221, 0.3180



11.8244, 0.5119, 0.2594



1.1731, 0.4845, 0.2443

Previews

White Background



This preview shows how the Yxy color 34.2166, 0.4082, 0.2595 looks on a white background.

Color Contrast Check

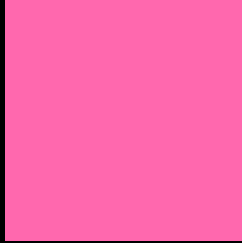
Large Text (above 18pt) WCAG AA × Fail

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 34.2166, 0.4082, 0.2595 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 34.2166, 0.4082, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 34.2166, 0.4082, 0.2595.



This preview shows how white text looks on a background with the Yxy color 34.2166, 0.4082, 0.2595.

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

34.2166, 0.4082, 0.2595

Protanopia

34.6467, 0.2600, 0.2569

Deuteranopia

34.4104, 0.3175, 0.3120



Tritanopia

34.2008, 0.4650, 0.3214

Trichromacy



Original Color

34.2166, 0.4082, 0.2595

Protanomaly

32.3528, 0.3042, 0.2536

Deuteranomaly

32.8904, 0.3491, 0.2867

Tritanomaly

34.0173, 0.4440, 0.2978

Monochromacy



Original Color

34.2166, 0.4082, 0.2595

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.1588, 0.3467, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2166, 0.4082, 0.2595 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, 104, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 174)  
}
```

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, 104, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 174) }
```

Border

The CSS property to change the border of an element to Yxy 34.2166, 0.4082, 0.2595 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, 104, 174) }
```

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

```
.border{ border-color:rgb(255, 104, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2166, 0.4082, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 174) }
```

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

```
.background{ background-color: rgb(255,  
104, 174) }
```

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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