

Converting Colors

$Y_{xy}(32.5280, 0.4156, 0.2567)$

Have a look what the booklet for
Yxy(32.5280, 0.4156, 0.2567)
contains.

Yxy(32.5280, 0.4156, 0.2567)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.5280, 0.4156, 0.2567)

Conversions

Conversions Part 1

Format	Color
Hex	FF60AA
RGB	255, 96, 170
RGB Percent	100%, 38%, 67%
CMY	0.0002, 0.6233, 0.3334
CMYK	0.00, 0.62, 0.33, 0.00
HSL	332°, 100%, 69%
HSV	332°, 62%, 100%
XYZ	52.6632, 32.5280, 41.5248
YIQ	151.9770, 71.0100, 56.7220

Conversions

Conversions Part 2

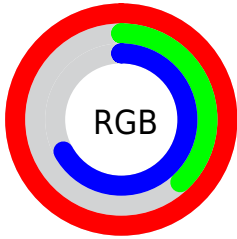
Format	Color
R_{YB}	255, 96, 170
Decimal	16736426
CIE _{Lab}	63.78, 66.80, -7.49
CIE _{LCh}	64, 67.223, 353.602
Yxy	32.5280, 0.4156, 0.2567
Android (android.graphics.Color)	4294926506 (0xFFFF60AA)
YUV	151.9770, 8.8853, 90.3512
Hunter-Lab	57.0333, 65.0142, -3.2446

Details

The Yxy color **32.5280, 0.4156, 0.2567** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.3149, 0.2683, 0.4241**, and the grayscale version is **31.3362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8074, 0.3430, 0.2573**, and **13.6561, 0.4474, 0.2354** is the 20% darker color. If you saturate the color by 10%, you get **28.1145, 0.4417, 0.2510**, and if you desaturate by 10%, it is **38.5064, 0.3918, 0.2659**.

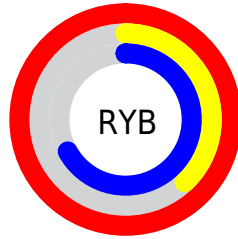
Distribution



Red (100%)

Green (38%)

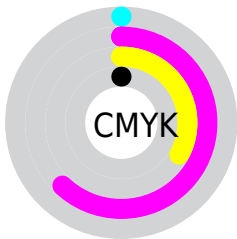
Blue (67%)



Red (100%)

Yellow (38%)

Blue (67%)

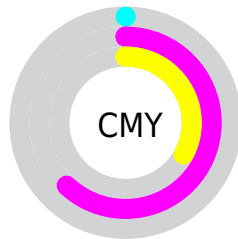


Cyan (0%)

Magenta (62%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (62%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5280, 0.4156, 0.2567 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 32.5280, 0.4156, 0.2567 by changing the saturation by 10% instead.


 32.5280, 0.4156,
0.2567


 32.5280, 0.4156,
0.2567


313.5175, 0.3623,
0.2933

 21.7651, 0.4294,
0.2475


 63.6379, 0.3958,
0.2700


 13.6844, 0.4474,
0.2357


 84.7537, 0.3885,
0.2750

 7.9015, 0.4718,
0.2201


 110.0893, 0.3824,
0.2793

 4.0320, 0.5064,
0.1985

 140.0290, 0.3771,
0.2829

 1.6915, 0.5588,
0.1672

174.9573, 0.3727,
0.2860

 0.4181, 0.6567,
0.1027

215.2586, 0.3687,

 0.0000, 1.0000,

0.2887

0.0000

261.3172, 0.3653,
0.2911

■ 0.0000, 0.0000,
0.0000

■ 32.5280, 0.4156,
0.2567

■ 32.5280, 0.4156,
0.2567

■ 28.1145, 0.4417,
0.2510

■ 38.5064, 0.3918,
0.2659

■ 25.1074, 0.4689,
0.2500

■ 46.1778, 0.3708,
0.2772

■ 23.3231, 0.4957,
0.2545

■ 55.6627, 0.3529,
0.2896

■ 22.5728, 0.5151,
0.2611

■ 67.0692, 0.3378,
0.3022

■ 80.4968, 0.3252,
0.3146

96.0381, 0.3148,
0.3264

99.9902, 0.3127,
0.3290

Harmonies

Analogous

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



32.5280, 0.3063, 0.2079



32.5280, 0.4156, 0.2567



32.5280, 0.4987, 0.3200

Triad

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



32.5280, 0.4156, 0.2567



32.5280, 0.3861, 0.5188



32.5280, 0.1427, 0.2173

Complementary

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



32.5280, 0.4156, 0.2567



77.3149, 0.2683, 0.4241

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.



32.5280, 0.1552, 0.2953



32.5280, 0.4156, 0.2567



32.5280, 0.2904, 0.5106

Square

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



32.5280, 0.4156, 0.2567



32.5280, 0.4690, 0.4625



32.5280, 0.2056, 0.4136



32.5280, 0.1629, 0.1831

Rectangle

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



32.5280, 0.4156, 0.2567



32.5280, 0.5177, 0.3661



32.5280, 0.2056, 0.4136



32.5280, 0.1430, 0.2379

Sweetspot

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



32.5297, 0.4156, 0.2567



71.3301, 0.3333, 0.3064



25.3945, 0.2516, 0.1549



14.4845, 0.3371, 0.3028



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.



32.5297, 0.4156, 0.2567



27.1895, 0.4489, 0.2502



31.4738, 0.5102, 0.3344



18.1277, 0.3221, 0.3180



11.8297, 0.5112, 0.2590



1.1736, 0.4839, 0.2439

Inverse Universe

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



32.5297, 0.4156, 0.2567



27.1895, 0.4489, 0.2502



77.8624, 0.2359, 0.3225



18.1277, 0.3221, 0.3180



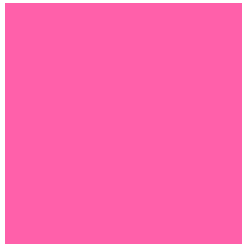
11.8297, 0.5112, 0.2590



1.1736, 0.4839, 0.2439

Previews

White Background



This preview shows how the Yxy color 32.5280, 0.4156, 0.2567 looks on a white background.

Color Contrast Check

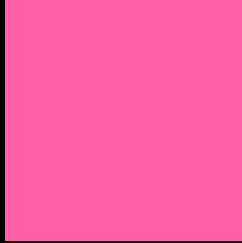
Large Text (above 18pt) WCAG AA × Fail

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 32.5280, 0.4156, 0.2567 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 32.5280, 0.4156, 0.2567

Background



This preview shows how black text looks on a background with the Yxy color 32.5280, 0.4156, 0.2567.



This preview shows how white text looks on a background with the Yxy color 32.5280, 0.4156, 0.2567.

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

32.5280, 0.4156, 0.2567

Protanopia

32.8255, 0.2561, 0.2515

Deuteranopia

32.6368, 0.3186, 0.3116



Tritanopia

32.4722, 0.4793, 0.3226

Trichromacy



Original Color

32.5280, 0.4156, 0.2567

Protanomaly

30.2213, 0.3032, 0.2473

Deuteranomaly

30.8240, 0.3527, 0.2836

Tritanomaly

32.3453, 0.4565, 0.2985

Monochromacy



Original Color

32.5280, 0.4156, 0.2567

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

29.8245, 0.3480, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5280, 0.4156, 0.2567 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, 96, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 170)  
}
```

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, 96, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 170) }
```

Border

The CSS property to change the border of an element to Yxy 32.5280, 0.4156, 0.2567 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, 96, 170) }
```

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

```
.border{ border-color:rgb(255, 96, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5280, 0.4156, 0.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 170) }
```

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

```
.background{ background-color: rgb(255, 96,  
170) }
```

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