

Converting Colors

$Y_{xy}(32.8017, 0.3202, 0.1703)$

Have a look what the booklet for
Yxy(32.8017, 0.3202, 0.1703)
contains.

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Color

Yxy(32.6142, 0.3202, 0.1702)

Conversions

Conversions Part 1

Format	Color
Hex	FF44FF
RGB	255, 68, 255
RGB Percent	100%, 27%, 100%
CMY	0.0000, 0.7333, 0.0001
CMYK	0.00, 0.73, 0.00, 0.00
HSL	300°, 100%, 63%
HSV	300°, 73%, 100%
XYZ	61.3576, 32.6142, 97.6510
YIQ	145.2310, 51.4250, 97.8010

Conversions

Conversions Part 2

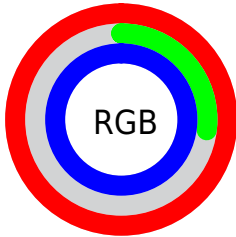
Format	Color
R _Y B	255, 68, 255
Decimal	16729343
CIE Lab	63.85, 87.96, -55.20
CIE LCh	64, 103.848, 327.887
Yxy	32.6142, 0.3202, 0.1702
Android (android.graphics.Color)	4294919423 (0xFFFF44FF)
YUV	145.2310, 54.1161, 96.2674
Hunter-Lab	57.1088, 91.8395, -61.4044

Details

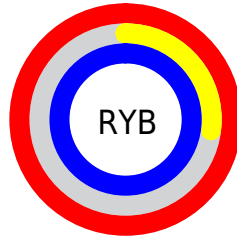
The Yxy color **32.6142, 0.3202, 0.1702** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.1666, 0.3017, 0.5633**, and the grayscale version is **28.1735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5302, 0.3181, 0.2136**, and **15.5006, 0.3171, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **30.1702, 0.3206, 0.1609**, and if you desaturate by 10%, it is **36.3959, 0.3195, 0.1839**.

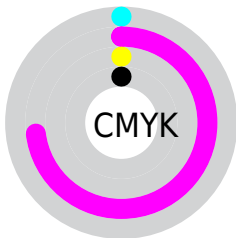
Distribution



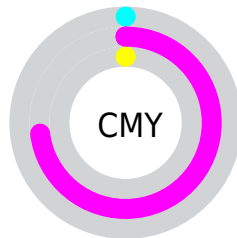
- Red (100%)
- Green (27%)
- Blue (100%)



- Red (100%)
- Yellow (27%)
- Blue (100%)



- Cyan (0%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6142, 0.3202, 0.1702 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 32.6142, 0.3202, 0.1702 by changing the saturation by 10% instead.

 32.6142, 0.3202,
0.1702


 32.6142, 0.3202,
0.1702


313.9077, 0.3208,
0.2402


 21.8311, 0.3190,
0.1556


 63.7727, 0.3213,
0.1935

 13.7328, 0.3170,
0.1383


 84.9169, 0.3214,
0.2028

 7.9351, 0.3136,
0.1179


 110.2836, 0.3215,
0.2110

 4.0534, 0.3079,
0.0937

 140.2571, 0.3214,
0.2182

 1.7035, 0.2978,
0.0656

175.2219, 0.3213,
0.2247

 0.4259, 0.2811,
0.0301

215.5623, 0.3212,

 0.0000, 0.2478,

0.2304

0.0000

261.6628, 0.3210,
0.2355

0.0000, 0.1655,
0.0000

0.0000, 0.0000,
0.0000

32.6142, 0.3202,
0.1702

32.6142, 0.3202,
0.1702

30.1702, 0.3206,
0.1609

36.3959, 0.3195,
0.1839


28.8792, 0.3209,
0.1558


41.6731, 0.3187,
0.2016

28.4782, 0.3209,
0.1542

48.5781, 0.3177,
0.2226

57.2295, 0.3166,
0.2460

 67.7350, 0.3155,
0.2708

 80.1936, 0.3143,
0.2960

 94.6971, 0.3131,
0.3209

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.6142, 0.1895, 0.1342



32.6142, 0.3202, 0.1702



32.6142, 0.4899, 0.2338

Triad

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



32.6142, 0.3202, 0.1702



32.6142, 0.4922, 0.5010



32.6142, 0.0921, 0.2457

Complementary

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



32.6142, 0.3202, 0.1702



73.1666, 0.3017, 0.5633

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.



32.6142, 0.1393, 0.4302



32.6142, 0.3202, 0.1702



32.6142, 0.3666, 0.6088

Square

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



32.6142, 0.3202, 0.1702



32.6142, 0.5855, 0.3943



32.6142, 0.2411, 0.6150



32.6142, 0.0885, 0.1573

Rectangle

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



32.6142, 0.3202, 0.1702



32.6142, 0.5757, 0.2840



32.6142, 0.2411, 0.6150



32.6142, 0.1019, 0.2960

Sweetspot

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



32.6131, 0.3202, 0.1702



69.2804, 0.3153, 0.2741



12.5835, 0.1719, 0.0961



14.1636, 0.3156, 0.2673



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.



32.6131, 0.3202, 0.1702



29.4376, 0.3208, 0.1580



27.9854, 0.4348, 0.2444



18.3004, 0.3138, 0.3056



14.8805, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Inverse Universe

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



32.6131, 0.3202, 0.1702



29.4376, 0.3208, 0.1580



75.3399, 0.2686, 0.4536



18.3004, 0.3138, 0.3056



14.8805, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 32.6142, 0.3202, 0.1702 looks on a white background.

Color Contrast Check

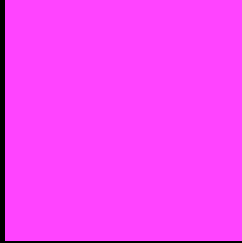
Large Text (above 18pt) WCAG AA × Fail

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 32.6142, 0.3202, 0.1702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

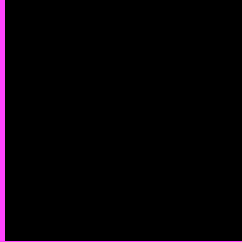
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6142, 0.3202, 0.1702

Background



This preview shows how black text looks on a background with the Yxy color 32.6142, 0.3202, 0.1702.



This preview shows how white text looks on a background with the Yxy color 32.6142, 0.3202, 0.1702.

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

32.6142, 0.3202, 0.1702

Protanopia

32.9915, 0.2128, 0.1966

Deuteranopia

33.0416, 0.2181, 0.2124



Tritanopia

32.2168, 0.4545, 0.3209

Trichromacy



Original Color

32.6142, 0.3202, 0.1702



Protanomaly

28.6813, 0.2399, 0.1720



Deuteranomaly

28.4584, 0.2434, 0.1796

Tritanomaly

31.0881, 0.4034, 0.2540

Monochromacy



Original Color

32.6142, 0.3202, 0.1702



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.5396, 0.3169, 0.2395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6142, 0.3202, 0.1702 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, 68, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 255)  
}
```

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, 68, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.6142, 0.3202, 0.1702 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, 68, 255) }
```

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

```
.border{ border-color:rgb(255, 68, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 68, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6142, 0.3202, 0.1702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 68, 255) }
```

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

```
.background{ background-color: rgb(255, 68,  
255) }
```

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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