

Converting Colors

$Yxy(32.1058, 0.3203, 0.1683)$

Have a look what the booklet for
Yxy(32.1058, 0.3203, 0.1683)
contains.

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Color

Yxy(32.1468, 0.3203, 0.1684)

Conversions

Conversions Part 1

Format	Color
Hex	FF40FF
RGB	255, 64, 255
RGB Percent	100%, 25%, 100%
CMY	0.0000, 0.7495, 0.0000
CMYK	0.00, 0.75, 0.00, 0.00
HSL	300°, 100%, 63%
HSV	300°, 75%, 100%
XYZ	61.1438, 32.1468, 97.6049
YIQ	142.8830, 52.5250, 99.8930

Conversions

Conversions Part 2

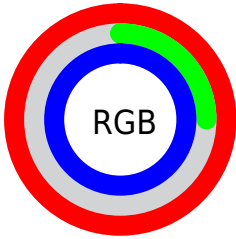
Format	Color
R _Y B	255, 64, 255
Decimal	16728319
CIE Lab	63.46, 89.11, -55.83
CIE LCh	63, 105.157, 327.929
Yxy	32.1468, 0.3203, 0.1684
Android (android.graphics.Color)	4294918399 (0xFFFF40FF)
YUV	142.8830, 55.2737, 98.3266
Hunter-Lab	56.6981, 93.2743, -62.3780

Details

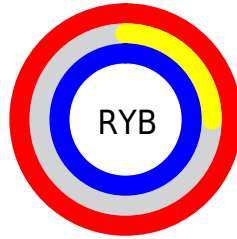
The Yxy color **32.1468, 0.3203, 0.1684** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.9751, 0.3015, 0.5673**, and the grayscale version is **27.1514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7126, 0.3182, 0.2111**, and **15.5006, 0.3171, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **29.8912, 0.3207, 0.1598**, and if you desaturate by 10%, it is **35.6895, 0.3196, 0.1814**.

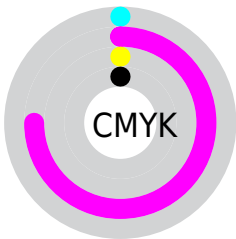
Distribution



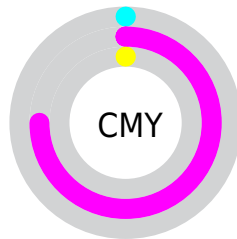
- Red (100%)
- Green (25%)
- Blue (100%)



- Red (100%)
- Yellow (25%)
- Blue (100%)



- Cyan (0%)
- Magenta (75%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (75%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1468, 0.3203, 0.1684 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 32.1468, 0.3203, 0.1684 by changing the saturation by 10% instead.

 32.1468, 0.3203,
0.1684


 32.1468, 0.3203,
0.1684


311.7874, 0.3210,
0.2391


 21.4737, 0.3191,
0.1536


 63.0412, 0.3214,
0.1919


 13.4707, 0.3170,
0.1363


 84.0311, 0.3216,
0.2014

 7.7534, 0.3135,
0.1157


 109.2289, 0.3216,
0.2096

 3.9376, 0.3076,
0.0915

 139.0187, 0.3216,
0.2169

 1.6387, 0.2973,
0.0635

173.7851, 0.3215,
0.2234

 0.3835, 0.2804,
0.0273

213.9125, 0.3213,

 0.0000, 0.2459,

0.2292

0.0000

259.7851, 0.3212,
0.2344

■ 0.0000, 0.1619,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.1468, 0.3203,
0.1684

■ 32.1468, 0.3203,
0.1684

■ 29.8912, 0.3207,
0.1598

■ 35.6895, 0.3196,
0.1814

■ 28.7650, 0.3209,
0.1553

■ 40.7160, 0.3188,
0.1985

■ 28.4800, 0.3209,
0.1542

■ 47.3498, 0.3179,
0.2190

■ 55.7118, 0.3168,
0.2421

65.9111, 0.3156,
0.2667

78.0480, 0.3145,
0.2919

92.2155, 0.3133,
0.3169

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.



32.1468, 0.1879, 0.1321



32.1468, 0.3203, 0.1684



32.1468, 0.4929, 0.2324

Triad

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



32.1468, 0.3203, 0.1684



32.1468, 0.4932, 0.5020



32.1468, 0.0896, 0.2437

Complementary

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



32.1468, 0.3203, 0.1684



72.9751, 0.3015, 0.5673

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.



32.1468, 0.1366, 0.4315



32.1468, 0.3203, 0.1684



32.1468, 0.3654, 0.6124

Square

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



32.1468, 0.3203, 0.1684



32.1468, 0.5883, 0.3934



32.1468, 0.2389, 0.6206



32.1468, 0.0864, 0.1550

Rectangle

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



32.1468, 0.3203, 0.1684



32.1468, 0.5800, 0.2829



32.1468, 0.2389, 0.6206



32.1468, 0.0993, 0.2946

Sweetspot

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



32.1342, 0.3203, 0.1684



69.2808, 0.3153, 0.2741



11.9604, 0.1695, 0.0922



14.1637, 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.



32.1342, 0.3203, 0.1684



29.1968, 0.3208, 0.1570



27.4328, 0.4388, 0.2439



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

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



32.1342, 0.3203, 0.1684



29.1968, 0.3208, 0.1570



75.1249, 0.2685, 0.4568



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 32.1468, 0.3203, 0.1684 looks on a white background.

Color Contrast Check

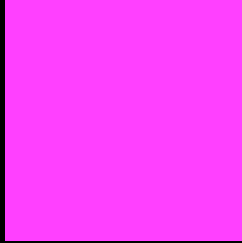
Large Text (above 18pt) WCAG AA × Fail

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 32.1468, 0.3203, 0.1684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

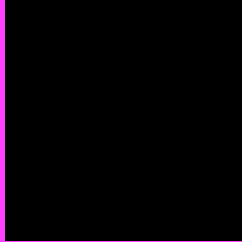
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1468, 0.3203, 0.1684

Background



This preview shows how black text looks on a background with the Yxy color 32.1468, 0.3203, 0.1684.



This preview shows how white text looks on a background with the Yxy color 32.1468, 0.3203, 0.1684.

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

32.1468, 0.3203, 0.1684

Protanopia

32.5414, 0.2115, 0.1950

Deuteranopia

32.5862, 0.2168, 0.2107



Tritanopia

31.7160, 0.4583, 0.3209

Trichromacy



Original Color

32.1468, 0.3203, 0.1684



Protanomaly

27.9907, 0.2381, 0.1694



Deuteranomaly

27.8637, 0.2423, 0.1771

Tritanomaly

30.4992, 0.4055, 0.2524

Monochromacy



Original Color

32.1468, 0.3203, 0.1684



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.6857, 0.3171, 0.2365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1468, 0.3203, 0.1684 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, 64, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 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, 64, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.1468, 0.3203, 0.1684 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, 64, 255) }
```

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

```
.border{ border-color:rgb(255, 64, 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, 64, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1468, 0.3203, 0.1684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 255) }
```

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

```
.background{ background-color: rgb(255, 64,  
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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