

Converting Colors

$Y_{xy}(30.3984, 0.3206, 0.1617)$

Have a look what the booklet for
Yxy(30.3984, 0.3206, 0.1617)
contains.

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Color

Yxy(30.3568, 0.3206, 0.1616)

Conversions

Conversions Part 1

Format	Color
Hex	FF2DFF
RGB	255, 45, 255
RGB Percent	100%, 18%, 100%
CMY	0.0000, 0.8234, 0.0001
CMYK	0.00, 0.82, 0.00, 0.00
HSL	300°, 100%, 59%
HSV	300°, 82%, 100%
XYZ	60.2252, 30.3568, 97.2695
YIQ	131.7300, 57.7500, 109.8300

Conversions

Conversions Part 2

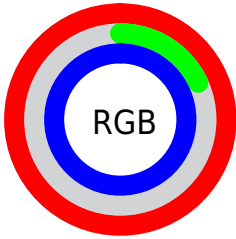
Format	Color
R _Y B	255, 45, 255
Decimal	16723455
CIE Lab	61.96, 93.42, -58.21
CIE LCh	62, 110.065, 328.074
Yxy	30.3568, 0.3206, 0.1616
Android (android.graphics.Color)	4294913535 (0xFFFF2DFF)
YUV	131.7300, 60.7721, 108.1078
Hunter-Lab	55.0970, 98.6942, -66.1040

Details

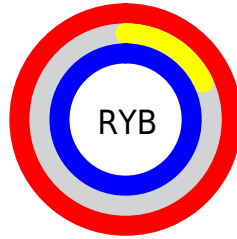
The Yxy color **30.3568, 0.3206, 0.1616** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.2686, 0.3008, 0.5825**, and the grayscale version is **22.7407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6737, 0.3187, 0.2016**, and **15.3687, 0.3158, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **28.9621, 0.3209, 0.1561**, and if you desaturate by 10%, it is **32.9259, 0.3201, 0.1714**.

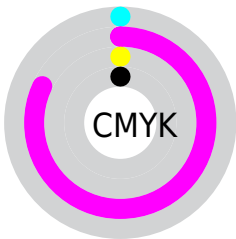
Distribution



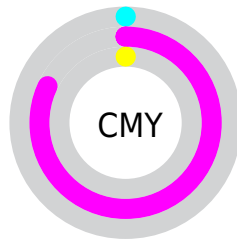
- Red (100%)
- Green (18%)
- Blue (100%)



- Red (100%)
- Yellow (18%)
- Blue (100%)



- Cyan (0%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3568, 0.3206, 0.1616 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 30.3568, 0.3206, 0.1616 by changing the saturation by 10% instead.


 30.3568, 0.3206,
0.1616


 30.3568, 0.3206,
0.1616

303.5641, 0.3216,
0.2351


 20.1096, 0.3192,
0.1464

 60.2260, 0.3219,
0.1859


 12.4747, 0.3169,
0.1285

 80.6167, 0.3221,
0.1958

 7.0678, 0.3130,
0.1076


 105.1574, 0.3222,
0.2044

 3.5046, 0.3064,
0.0831

 134.2325, 0.3221,
0.2120

 1.4005, 0.2949,
0.0555

 168.2262, 0.3220,
0.2187

 0.2171, 0.2775,
0.0159

207.5232, 0.3219,

 0.0000, 0.2383,

0.2248

0.0000

252.5077, 0.3217,
0.2302

■ 0.0000, 0.1466,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.3568, 0.3206,
0.1616

■ 30.3568, 0.3206,
0.1616

■ 28.9621, 0.3209,
0.1561


■ 32.9259, 0.3201,
0.1714

■ 28.4779, 0.3210,
0.1542


■ 36.8507, 0.3195,
0.1855


■ 42.2839, 0.3186,
0.2035

■ 49.3572, 0.3176,
0.2248

 58.1882, 0.3165,
0.2484

 68.8834, 0.3153,
0.2733

 81.5411, 0.3142,
0.2985

 96.2525, 0.3130,
0.3233

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.



30.3568, 0.1821, 0.1246



30.3568, 0.3206, 0.1616



30.3568, 0.5047, 0.2271

Triad

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



30.3568, 0.3206, 0.1616



30.3568, 0.4955, 0.5045



30.3568, 0.0806, 0.2360

Complementary

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



30.3568, 0.3206, 0.1616



72.2686, 0.3008, 0.5825

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.



30.3568, 0.1263, 0.4366



30.3568, 0.3206, 0.1616



30.3568, 0.3601, 0.6259

Square

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



30.3568, 0.3206, 0.1616



30.3568, 0.5982, 0.3898



30.3568, 0.2299, 0.6426



30.3568, 0.0785, 0.1462

Rectangle

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



30.3568, 0.3206, 0.1616



30.3568, 0.5962, 0.2781



30.3568, 0.2299, 0.6426



30.3568, 0.0898, 0.2892

Sweetspot

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



30.3576, 0.3206, 0.1616



65.8502, 0.3157, 0.2666



9.6581, 0.1604, 0.0772



13.2822, 0.3161, 0.2578



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.



30.3576, 0.3206, 0.1616



28.5332, 0.3209, 0.1544



25.3420, 0.4573, 0.2430



18.3004, 0.3138, 0.3056



14.8803, 0.3210, 0.1542



1.4489, 0.3209, 0.1542

Inverse Universe

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



30.3576, 0.3206, 0.1616



28.5332, 0.3209, 0.1544



74.2812, 0.2687, 0.4713



18.3004, 0.3138, 0.3056



14.8803, 0.3210, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 30.3568, 0.3206, 0.1616 looks on a white background.

Color Contrast Check

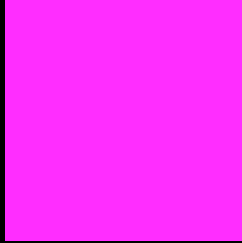
Large Text (above 18pt) WCAG AA × Fail

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 30.3568, 0.3206, 0.1616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

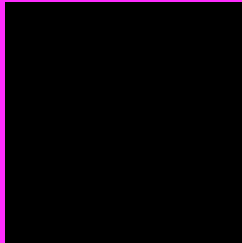
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3568, 0.3206, 0.1616

Background



This preview shows how black text looks on a background with the Yxy color 30.3568, 0.3206, 0.1616.



This preview shows how white text looks on a background with the Yxy color 30.3568, 0.3206, 0.1616.

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

30.3568, 0.3206, 0.1616

Protanopia

30.7968, 0.2066, 0.1886

Deuteranopia

30.6504, 0.2111, 0.2047



Tritanopia

30.0810, 0.4700, 0.3221

Trichromacy



Original Color

30.3568, 0.3206, 0.1616



Protanomaly

25.4398, 0.2329, 0.1587



Deuteranomaly

25.1122, 0.2368, 0.1663

Tritanomaly

28.4697, 0.4153, 0.2483

Monochromacy



Original Color

30.3568, 0.3206, 0.1616



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.6358, 0.3176, 0.2244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3568, 0.3206, 0.1616 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, 45, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 45, 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, 45, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.3568, 0.3206, 0.1616 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, 45, 255) }
```

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

```
.border{ border-color:rgb(255, 45, 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, 45, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 45,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3568, 0.3206, 0.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 255) }
```

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

```
.background{ background-color: rgb(255, 45,  
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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