

Converting Colors

$Y_{xy}(29.0077, 0.3222, 0.1706)$

Have a look what the booklet for
Yxy(29.0077, 0.3222, 0.1706)
contains.

Yxy(28.9606, 0.3222, 0.1709)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.9606, 0.3222, 0.1709)

Conversions

Conversions Part 1

Format	Color
Hex	F33FF1
RGB	243, 63, 241
RGB Percent	95%, 25%, 95%
CMY	0.0472, 0.7525, 0.0551
CMYK	0.00, 0.74, 0.01, 0.05
HSL	301°, 88%, 60%
HSV	301°, 74%, 95%
XYZ	54.5998, 28.9606, 85.8989
YIQ	137.1120, 50.1420, 93.5180

Conversions

Conversions Part 2

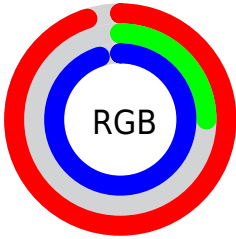
Format	Color
R _{YB}	243, 63, 241
Decimal	15941617
CIE _{Lab}	60.75, 84.84, -52.48
CIE _{LCh}	61, 99.758, 328.260
Yxy	28.9606, 0.3222, 0.1709
Android (android.graphics.Color)	4294131697 (0xFFFF33FF1)
YUV	137.1120, 51.2168, 92.8638
Hunter-Lab	53.8151, 86.9266, -56.9674

Details

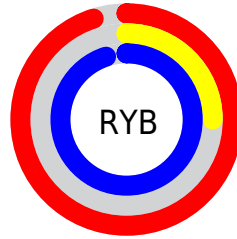
The Yxy color **28.9606, 0.3222, 0.1709** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **65.5170, 0.3012, 0.5629**, and the grayscale version is **24.8671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9183, 0.3184, 0.2087**, and **13.5280, 0.3196, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **26.8176, 0.3230, 0.1619**, and if you desaturate by 10%, it is **32.2930, 0.3212, 0.1843**.

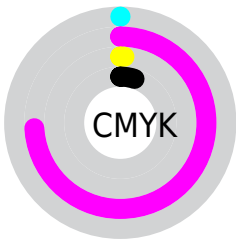
Distribution



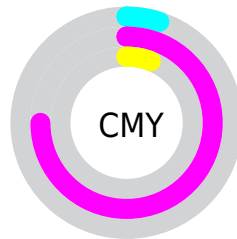
- Red (95%)
- Green (25%)
- Blue (95%)



- Red (95%)
- Yellow (25%)
- Blue (95%)



- Cyan (0%)
- Magenta (74%)
- Yellow (1%)
- Black (5%)





- Cyan (5%)
- Magenta (75%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9606, 0.3222, 0.1709 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 28.9606, 0.3222, 0.1709 by changing the saturation by 10% instead.


 28.9606, 0.3222,
0.1709


 28.9606, 0.3222,
0.1709


297.0290, 0.3217,
0.2422


 19.0510, 0.3212,
0.1557


 58.0145, 0.3229,
0.1949

 11.7071, 0.3194,
0.1375


 77.9276, 0.3229,
0.2045


 6.5446, 0.3161,
0.1159


 101.9439, 0.3228,
0.2128

 3.1790, 0.3102,
0.0901

 130.4480, 0.3227,
0.2202

 1.2259, 0.2993,
0.0602

 163.8242, 0.3224,
0.2266

 0.0827, 0.2843,
0.0080

202.4568, 0.3222,

 0.0000, 0.2386,

0.2324

0.0000

246.7303, 0.3220,
0.2375

■ 0.0000, 0.0312,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.9606, 0.3222,
0.1709

■ 28.9606, 0.3222,
0.1709

■ 26.8176, 0.3230,
0.1619

■ 32.2930, 0.3212,
0.1843


■ 25.6910, 0.3235,
0.1571


■ 36.9492, 0.3201,
0.2016


■ 25.3532, 0.3237,
0.1557


■ 43.0500, 0.3188,
0.2223


■ 50.7017, 0.3174,
0.2453

 60.0003, 0.3160,
0.2698

 71.0342, 0.3146,
0.2947

 83.8857, 0.3132,
0.3193

 97.0446, 0.3121,
0.3407

 97.0609, 0.3119,
0.3404

Harmonies

Analogous

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



28.9606, 0.1908, 0.1345



28.9606, 0.3222, 0.1709



28.9606, 0.4917, 0.2347

Triad

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



28.9606, 0.3222, 0.1709



28.9606, 0.4911, 0.5028



28.9606, 0.0919, 0.2441

Complementary

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



28.9606, 0.3222, 0.1709



65.5170, 0.3012, 0.5629

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.



28.9606, 0.1385, 0.4274



28.9606, 0.3222, 0.1709



28.9606, 0.3651, 0.6098

Square

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



28.9606, 0.3222, 0.1709



28.9606, 0.5846, 0.3955



28.9606, 0.2397, 0.6135



28.9606, 0.0887, 0.1568

Rectangle

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



28.9606, 0.3222, 0.1709



28.9606, 0.5767, 0.2850



28.9606, 0.2397, 0.6135



28.9606, 0.1015, 0.2939

Sweetspot

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



28.9619, 0.3222, 0.1709



69.2408, 0.3157, 0.2747



11.0956, 0.1711, 0.0949



14.1541, 0.3161, 0.2679



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.



28.9619, 0.3222, 0.1709



29.1518, 0.3233, 0.1589



24.9144, 0.4361, 0.2442



16.7650, 0.3140, 0.3059



13.9222, 0.3237, 0.1557



1.2246, 0.3233, 0.1555

Inverse Universe

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



28.9619, 0.3222, 0.1709



29.1518, 0.3233, 0.1589



67.4351, 0.2686, 0.4546



16.7650, 0.3140, 0.3059



13.9222, 0.3237, 0.1557



1.2246, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 28.9606, 0.3222, 0.1709 looks on a white background.

Color Contrast Check

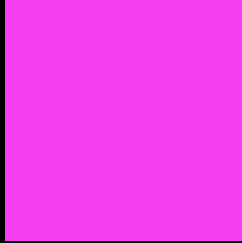
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9606, 0.3222, 0.1709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

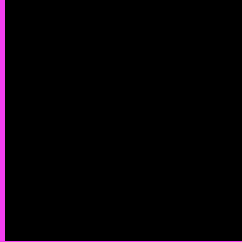
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9606, 0.3222, 0.1709

Background



This preview shows how black text looks on a background with the Yxy color 28.9606, 0.3222, 0.1709.

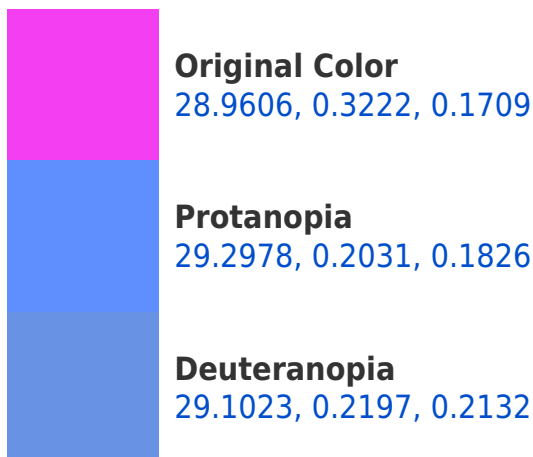


This preview shows how white text looks on a background with the Yxy color 28.9606, 0.3222, 0.1709.

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





Tritanopia

28.6441, 0.4568, 0.3205

Trichromacy



Original Color

28.9606, 0.3222, 0.1709



Protanomaly

25.3263, 0.2309, 0.1640



Deuteranomaly

25.3425, 0.2463, 0.1810



Tritanomaly

27.7199, 0.4067, 0.2551

Monochromacy



Original Color

28.9606, 0.3222, 0.1709



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.4771, 0.3181, 0.2392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9606, 0.3222, 0.1709 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(243, 63, 241)` looks like.

```
.text, #text, p{  
    color:rgb(243, 63, 241)  
}
```

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(243, 63, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 63, 241) }
```

Border

The CSS property to change the border of an element to Yxy 28.9606, 0.3222, 0.1709 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(243, 63, 241) }
```

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

```
.border{ border-color:rgb(243, 63, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 63, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 63, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 63, 241);  
box-shadow:4px 4px 4px 4px rgb(243, 63,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9606, 0.3222, 0.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 63, 241) }
```

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

```
.background{ background-color: rgb(243, 63,  
241) }
```

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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