

Converting Colors

$Y_{xy}(28.1378, 0.3262, 0.1571)$

Have a look what the booklet for
Yxy(28.1378, 0.3262, 0.1571)
contains.

Yxy(28.1621, 0.3260, 0.1569)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(28.1621, 0.3260, 0.1569)

Conversions

Conversions Part 1

Format	Color
Hex	FF00FA
RGB	255, 0, 250
RGB Percent	100%, 0%, 98%
CMY	0.0000, 1.0000, 0.0195
CMYK	0.00, 1.00, 0.02, 0.00
HSL	301°, 100%, 50%
HSV	301°, 100%, 100%
XYZ	58.5140, 28.1621, 92.8147
YIQ	104.7450, 71.7300, 131.8100

Conversions

Conversions Part 2

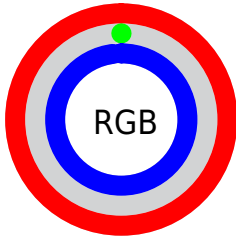
Format	Color
R_{YB}	255, 0, 250
Decimal	16711930
CIE _{Lab}	60.03, 97.61, -58.54
CIE _{LCh}	60, 113.819, 329.048
Yxy	28.1621, 0.3260, 0.1569
Android (android.graphics.Color)	4294902010 (0xFFFF00FA)
YUV	104.7450, 71.6107, 131.7736
Hunter-Lab	53.0680, 103.9493, -66.5493

Details

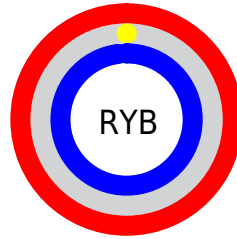
The Yxy color **28.1621, 0.3260, 0.1569** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.5309, 0.2998, 0.5992**, and the grayscale version is **13.8439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **15.1877, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **28.1637, 0.3259, 0.1569**, and if you desaturate by 10%, it is **28.9118, 0.3253, 0.1596**.

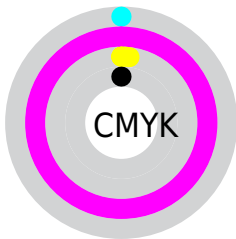
Distribution



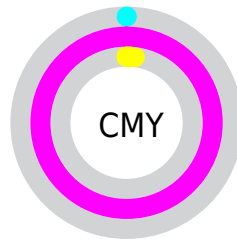
- Red (100%)
- Green (0%)
- Blue (98%)



- Red (100%)
- Yellow (0%)
- Blue (98%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1621, 0.3260, 0.1569 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 28.1621, 0.3260, 0.1569 by changing the saturation by 10% instead.


 28.1621, 0.3260,
0.1569


 28.1621, 0.3260,
0.1569

293.2407, 0.3246,
0.2327


 18.4479, 0.3251,
0.1412


 56.7431, 0.3265,
0.1820

 11.2720, 0.3232,
0.1228


 76.3788, 0.3264,
0.1922

 6.2501, 0.3199,
0.1013


 100.0903, 0.3262,
0.2010

 2.9978, 0.3138,
0.0764

 128.2622, 0.3259,
0.2089

 1.1306, 0.3026,
0.0487

 161.2787, 0.3256,
0.2158

 0.0039, 0.2879,
0.0003

199.5244, 0.3253,

 0.0000, 0.2436,

0.2221

0.0000

243.3836, 0.3249,
0.2276

■ 0.0000, 0.1304,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.1621, 0.3260,
0.1569

■ 28.1621, 0.3260,
0.1569

■ 28.1637, 0.3259,
0.1569

■ 28.9118, 0.3253,
0.1596

■ 30.5940, 0.3244,
0.1658

■ 33.4958, 0.3233,
0.1765

■ 37.7920, 0.3220,
0.1914

■ 43.6290, 0.3205,
0.2101

■ 51.1350, 0.3190,
0.2318

■ 60.4244, 0.3174,
0.2554

■ 71.6018, 0.3157,
0.2801

■ 84.7637, 0.3142,
0.3048

Harmonies

Analogous

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



28.1621, 0.1797, 0.1184



28.1621, 0.3260, 0.1569



28.1621, 0.5210, 0.2242

Triad

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



28.1621, 0.3260, 0.1569



28.1621, 0.4916, 0.5084



28.1621, 0.0722, 0.2248

Complementary

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



28.1621, 0.3260, 0.1569



71.5309, 0.2998, 0.5992

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.



28.1621, 0.1146, 0.4335



28.1621, 0.3260, 0.1569



28.1621, 0.3510, 0.6426

Square

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



28.1621, 0.3260, 0.1569



28.1621, 0.6053, 0.3890



28.1621, 0.2174, 0.6607



28.1621, 0.0721, 0.1368

Rectangle

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



28.1621, 0.3260, 0.1569



28.1621, 0.6139, 0.2756



28.1621, 0.2174, 0.6607



28.1621, 0.0803, 0.2786

Sweetspot

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



28.1637, 0.3259, 0.1569



60.4244, 0.3174, 0.2554



7.2474, 0.1504, 0.0602



12.0470, 0.3180, 0.2453



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.



28.1637, 0.3259, 0.1569



22.6963, 0.5073, 0.2568



18.2939, 0.3141, 0.3060



14.7189, 0.3259, 0.1569



1.4350, 0.3253, 0.1565

Inverse Universe

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



28.1637, 0.3259, 0.1569



73.1791, 0.2718, 0.4983



18.2939, 0.3141, 0.3060



14.7189, 0.3259, 0.1569



1.4350, 0.3253, 0.1565

Previews

White Background



This preview shows how the Yxy color 28.1621, 0.3260, 0.1569 looks on a white background.

Color Contrast Check

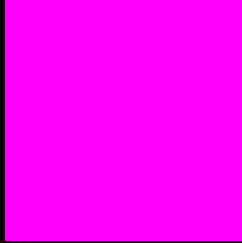
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1621, 0.3260, 0.1569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

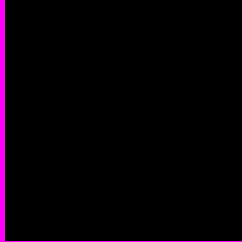
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1621, 0.3260, 0.1569

Background



This preview shows how black text looks on a background with the Yxy color 28.1621, 0.3260, 0.1569.



This preview shows how white text looks on a background with the Yxy color 28.1621, 0.3260, 0.1569.

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

28.1621, 0.3260, 0.1569

Protanopia

28.7901, 0.2011, 0.1807

Deuteranopia

28.8312, 0.2104, 0.2043



Tritanopia

28.2806, 0.4886, 0.3225

Trichromacy



Original Color

28.1621, 0.3260, 0.1569



Protanomaly

20.9835, 0.2272, 0.1396



Deuteranomaly

20.6993, 0.2351, 0.1502



Tritanomaly

25.3263, 0.4309, 0.2396

Monochromacy



Original Color

28.1621, 0.3260, 0.1569



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.9565, 0.3217, 0.1980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1621, 0.3260, 0.1569 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, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 250)  
}
```

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, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 250) }
```

Border

The CSS property to change the border of an element to Yxy 28.1621, 0.3260, 0.1569 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, 0, 250) }
```

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

```
.border{ border-color:rgb(255, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
250) }
```

Background

The CSS property to change the background color of an element to Yxy 28.1621, 0.3260, 0.1569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 250) }
```

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

```
.background{ background-color: rgb(255, 0,  
250) }
```

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