

Converting Colors

$Y_{xy}(29.6432, 0.3206, 0.1588)$

Have a look what the booklet for
Yxy(29.6432, 0.3206, 0.1588)
contains.

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Color

Yxy(29.6821, 0.3207, 0.1589)

Conversions

Conversions Part 1

Format	Color
Hex	FF23FF
RGB	255, 35, 255
RGB Percent	100%, 14%, 100%
CMY	0.0000, 0.8633, 0.0000
CMYK	0.00, 0.86, 0.00, 0.00
HSL	300°, 100%, 57%
HSV	300°, 86%, 100%
XYZ	59.9059, 29.6821, 97.2093
YIQ	125.8600, 60.5000, 115.0600

Conversions

Conversions Part 2

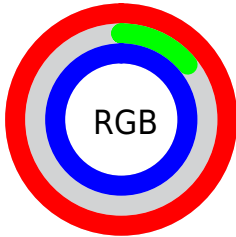
Format	Color
R _{YB}	255, 35, 255
Decimal	16720895
CIE _{Lab}	61.38, 95.16, -59.17
CIE _{LCh}	61, 112.058, 328.128
Yxy	29.6821, 0.3207, 0.1589
Android (android.graphics.Color)	4294910975 (0xFFFF23FF)
YUV	125.8600, 63.6660, 113.2558
Hunter-Lab	54.4813, 100.9308, -67.6525

Details

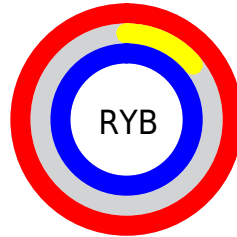
The Yxy color **29.6821, 0.3207, 0.1589** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **71.9953, 0.3005, 0.5888**, and the grayscale version is **20.5489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7415, 0.3188, 0.1986**, and **15.3687, 0.3158, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **28.6831, 0.3209, 0.1550**, and if you desaturate by 10%, it is **31.7493, 0.3203, 0.1669**.

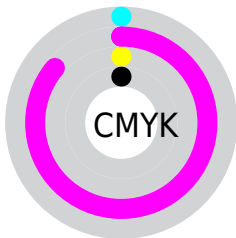
Distribution



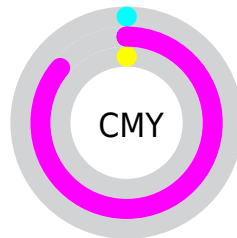
- Red (100%)
- Green (14%)
- Blue (100%)



- Red (100%)
- Yellow (14%)
- Blue (100%)



- Cyan (0%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6821, 0.3207, 0.1589 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 29.6821, 0.3207, 0.1589 by changing the saturation by 10% instead.


 29.6821, 0.3207,
0.1589


 29.6821, 0.3207,
0.1589


300.4198, 0.3218,
0.2334


 19.5974, 0.3192,
0.1435


 59.1591, 0.3221,
0.1836

 12.1027, 0.3168,
0.1255

 79.3202, 0.3223,
0.1935


 6.8137, 0.3127,
0.1044


 103.6088, 0.3224,
0.2023

 3.3459, 0.3058,
0.0799

 132.4095, 0.3224,
0.2100

 1.3149, 0.2939,
0.0525

 166.1065, 0.3223,
0.2168

 0.1527, 0.2764,
0.0113

205.0843, 0.3221,

 0.0000, 0.2353,

0.2230

0.0000

249.7273, 0.3220,
0.2285

■ 0.0000, 0.1407,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.6821, 0.3207,
0.1589

■ 29.6821, 0.3207,
0.1589

■ 28.6831, 0.3209,
0.1550


■ 31.7493, 0.3203,
0.1669

■ 28.4800, 0.3209,
0.1542

■ 35.1128, 0.3197,
0.1793

■ 39.9270, 0.3190,
0.1959

■ 46.3308, 0.3180,
0.2160

 54.4468, 0.3169,
0.2388

 64.3856, 0.3158,
0.2632

 76.2485, 0.3146,
0.2884

 90.1296, 0.3134,
0.3135

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.



29.6821, 0.1797, 0.1216



29.6821, 0.3207, 0.1589



29.6821, 0.5095, 0.2249

Triad

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



29.6821, 0.3207, 0.1589



29.6821, 0.4955, 0.5045



29.6821, 0.0771, 0.2329

Complementary

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



29.6821, 0.3207, 0.1589



71.9953, 0.3005, 0.5888

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.



29.6821, 0.1221, 0.4386



29.6821, 0.3207, 0.1589



29.6821, 0.3579, 0.6317

Square

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



29.6821, 0.3207, 0.1589



29.6821, 0.6021, 0.3881



29.6821, 0.2261, 0.6516



29.6821, 0.0755, 0.1428

Rectangle

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



29.6821, 0.3207, 0.1589



29.6821, 0.6027, 0.2761



29.6821, 0.2261, 0.6516



29.6821, 0.0860, 0.2870

Sweetspot

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



29.6737, 0.3207, 0.1589



64.7463, 0.3158, 0.2641



8.7685, 0.1567, 0.0711



13.0712, 0.3162, 0.2554



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.



29.6737, 0.3207, 0.1589



28.4800, 0.3209, 0.1542



24.4958, 0.4673, 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.



29.6737, 0.3207, 0.1589



28.4800, 0.3209, 0.1542



73.9170, 0.2693, 0.4790



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 29.6821, 0.3207, 0.1589 looks on a white background.

Color Contrast Check

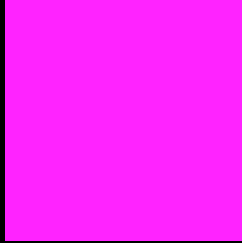
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6821, 0.3207, 0.1589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

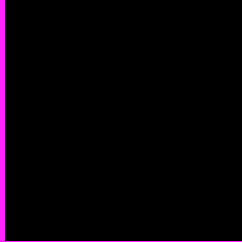
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6821, 0.3207, 0.1589

Background



This preview shows how black text looks on a background with the Yxy color 29.6821, 0.3207, 0.1589.



This preview shows how white text looks on a background with the Yxy color 29.6821, 0.3207, 0.1589.

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

29.6821, 0.3207, 0.1589

Protanopia

30.0122, 0.2046, 0.1855

Deuteranopia

30.1133, 0.2098, 0.2039



Tritanopia

29.3990, 0.4758, 0.3222

Trichromacy



Original Color

29.6821, 0.3207, 0.1589



Protanomaly

24.1932, 0.2306, 0.1531



Deuteranomaly

23.7834, 0.2350, 0.1611



Tritanomaly

27.6488, 0.4194, 0.2464

Monochromacy



Original Color

29.6821, 0.3207, 0.1589



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.7301, 0.3179, 0.2186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6821, 0.3207, 0.1589 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, 35, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 35, 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, 35, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 35, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.6821, 0.3207, 0.1589 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, 35, 255) }
```

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

```
.border{ border-color:rgb(255, 35, 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, 35, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 35, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 35, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 35,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6821, 0.3207, 0.1589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 35, 255) }
```

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

```
.background{ background-color: rgb(255, 35,  
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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