

Converting Colors

$Y_{xy}(29.7697, 0.3531, 0.1868)$

Have a look what the booklet for
Yxy(29.7697, 0.3531, 0.1868)
contains.

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Color

Yxy(29.7697, 0.3531, 0.1868)

Conversions

Conversions Part 1

Format	Color
Hex	FF3BE0
RGB	255, 59, 224
RGB Percent	100%, 23%, 88%
CMY	0.0000, 0.7689, 0.1214
CMYK	0.00, 0.77, 0.12, 0.00
HSL	309°, 100%, 62%
HSV	309°, 77%, 100%
XYZ	56.2724, 29.7697, 73.3246
YIQ	136.4140, 63.8510, 92.8670

Conversions

Conversions Part 2

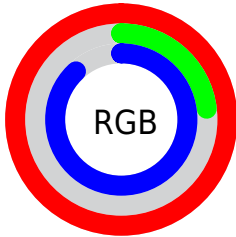
Format	Color
R _Y B	255, 59, 224
Decimal	16727008
CIE Lab	61.46, 85.99, -41.76
CIE LCh	61, 95.592, 334.096
Yxy	29.7697, 0.3531, 0.1868
Android (android.graphics.Color)	4294917088 (0xFFFF3BE0)
YUV	136.4140, 43.1799, 103.9999
Hunter-Lab	54.5616, 88.6140, -41.4859

Details

The Yxy color **29.7697, 0.3531, 0.1868** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **73.1838, 0.2934, 0.5450**, and the grayscale version is **24.5844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4017, 0.3184, 0.2070**, and **14.2965, 0.3581, 0.1746** is the 20% darker color. If you saturate the color by 10%, you get **27.5391, 0.3590, 0.1807**, and if you desaturate by 10%, it is **33.2716, 0.3469, 0.1974**.

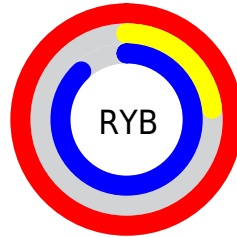
Distribution



Red (100%)

Green (23%)

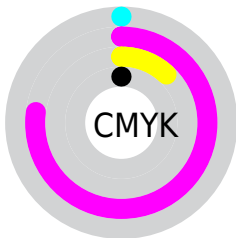
Blue (88%)



Red (100%)

Yellow (23%)

Blue (88%)

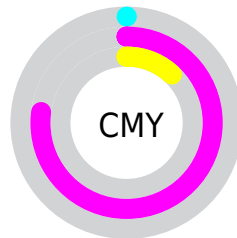


Cyan (0%)

Magenta (77%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (77%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7697, 0.3531, 0.1868 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 29.7697, 0.3531, 0.1868 by changing the saturation by 10% instead.


 29.7697, 0.3531,
0.1868


 29.7697, 0.3531,
0.1868


300.8295, 0.3360,
0.2522


 19.6638, 0.3564,
0.1724


 59.2978, 0.3476,
0.2092

 12.1509, 0.3602,
0.1550


 79.4888, 0.3453,
0.2180

 6.8466, 0.3643,
0.1338


 103.8103, 0.3433,
0.2256

 3.3663, 0.3686,
0.1077

 132.6468, 0.3415,
0.2323

 1.3258, 0.3720,
0.0760

 166.3825, 0.3399,
0.2381

 0.1611, 0.3795,
0.0192

205.4020, 0.3385,

 0.0000, 0.3611,

0.2434

0.0000

250.0895, 0.3372,
0.2480

■ 0.0000, 0.1776,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.7697, 0.3531,
0.1868

■ 29.7697, 0.3531,
0.1868

■ 27.5391, 0.3590,
0.1807

■ 33.2716, 0.3469,
0.1974

■ 26.3888, 0.3646,
0.1791

■ 38.2268, 0.3407,
0.2122

■ 26.1523, 0.3663,
0.1792

■ 44.7695, 0.3347,
0.2301

■ 53.0231, 0.3291,
0.2503

63.0989, 0.3239,
0.2717

75.0988, 0.3193,
0.2934

89.1170, 0.3152,
0.3147

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.



29.7697, 0.2158, 0.1452



29.7697, 0.3531, 0.1868



29.7697, 0.5113, 0.2532

Triad

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



29.7697, 0.3531, 0.1868



29.7697, 0.4657, 0.5213



29.7697, 0.0955, 0.2264

Complementary

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



29.7697, 0.3531, 0.1868



73.1838, 0.2934, 0.5450

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.



29.7697, 0.1327, 0.3830



29.7697, 0.3531, 0.1868



29.7697, 0.3438, 0.6113

Square

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



29.7697, 0.3531, 0.1868



29.7697, 0.5634, 0.4162



29.7697, 0.2232, 0.5739



29.7697, 0.0983, 0.1545

Rectangle

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



29.7697, 0.3531, 0.1868



29.7697, 0.5792, 0.3036



29.7697, 0.2232, 0.5739



29.7697, 0.1026, 0.2679

Sweetspot

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



29.7638, 0.3531, 0.1868



67.5356, 0.3221, 0.2801



12.4313, 0.1795, 0.0943



13.5719, 0.3238, 0.2723



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.



29.7638, 0.3531, 0.1868



26.8338, 0.3619, 0.1794



25.9269, 0.4891, 0.2718



18.2482, 0.3162, 0.3092



13.6836, 0.3655, 0.1787



1.3450, 0.3595, 0.1754

Inverse Universe

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



29.7638, 0.3531, 0.1868



26.8338, 0.3619, 0.1794



76.0086, 0.2562, 0.4191



18.2482, 0.3162, 0.3092



13.6836, 0.3655, 0.1787



1.3450, 0.3595, 0.1754

Previews

White Background



This preview shows how the Yxy color 29.7697, 0.3531, 0.1868 looks on a white background.

Color Contrast Check

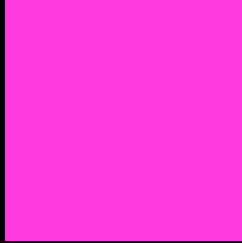
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7697, 0.3531, 0.1868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

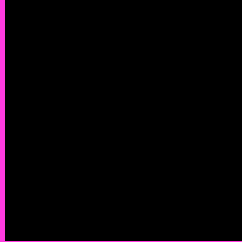
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7697, 0.3531, 0.1868

Background



This preview shows how black text looks on a background with the Yxy color 29.7697, 0.3531, 0.1868.

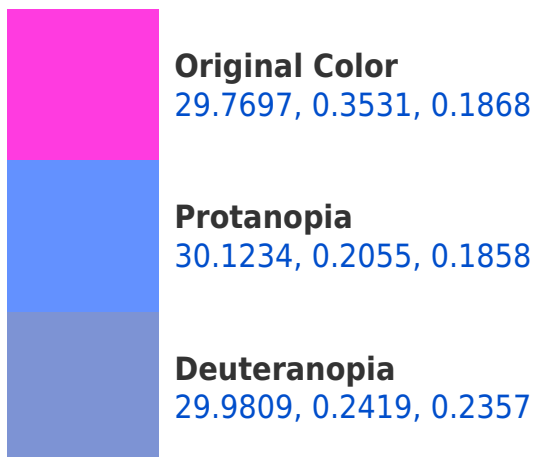


This preview shows how white text looks on a background with the Yxy color 29.7697, 0.3531, 0.1868.

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

29.6232, 0.4864, 0.3225

Trichromacy



Original Color

29.7697, 0.3531, 0.1868



Protanomaly

25.6342, 0.2399, 0.1705



Deuteranomaly

25.9900, 0.2741, 0.2005



Tritanomaly

28.8140, 0.4391, 0.2661

Monochromacy



Original Color

29.7697, 0.3531, 0.1868



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.1360, 0.3299, 0.2460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7697, 0.3531, 0.1868 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, 59, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 224)  
}
```

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, 59, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 224) }
```

Border

The CSS property to change the border of an element to Yxy 29.7697, 0.3531, 0.1868 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, 59, 224) }
```

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

```
.border{ border-color:rgb(255, 59, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 59, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7697, 0.3531, 0.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 224) }
```

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

```
.background{ background-color: rgb(255, 59,  
224) }
```

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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