

Converting Colors

$Y_{xy}(30.0073, 0.3535, 0.1883)$

Have a look what the booklet for
Yxy(30.0073, 0.3535, 0.1883)
contains.

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Color

Yxy(29.9793, 0.3530, 0.1877)

Conversions

Conversions Part 1

Format	Color
Hex	FF3DE0
RGB	255, 61, 224
RGB Percent	100%, 24%, 88%
CMY	0.0000, 0.7612, 0.1214
CMYK	0.00, 0.76, 0.12, 0.00
HSL	310°, 100%, 62%
HSV	310°, 76%, 100%
XYZ	56.3809, 29.9793, 73.3590
YIQ	137.5880, 63.3010, 91.8210

Conversions

Conversions Part 2

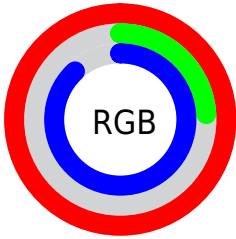
Format	Color
R _{YB}	255, 61, 224
Decimal	16727520
CIE _{Lab}	61.64, 85.48, -41.48
CIE _{LCh}	62, 95.007, 334.115
Y _{xy}	29.9793, 0.3530, 0.1877
Android (android.graphics.Color)	4294917600 (0xFFFF3DE0)
YUV	137.5880, 42.6011, 102.9703
Hunter-Lab	54.7534, 87.9875, -41.1099

Details

The Yxy color **29.9793, 0.3530, 0.1877** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73.2795, 0.2933, 0.5427**, and the grayscale version is **25.0463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9183, 0.3184, 0.2087**, and **14.2965, 0.3581, 0.1746** is the 20% darker color. If you saturate the color by 10%, you get **27.6514, 0.3590, 0.1813**, and if you desaturate by 10%, it is **33.5873, 0.3467, 0.1987**.

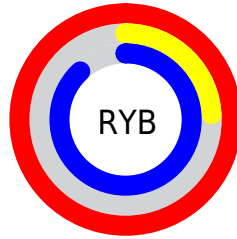
Distribution



Red (100%)

Green (24%)

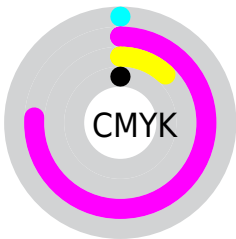
Blue (88%)



Red (100%)

Yellow (24%)

Blue (88%)

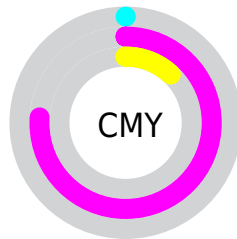


Cyan (0%)

Magenta (76%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (76%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9793, 0.3530, 0.1877 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 29.9793, 0.3530, 0.1877 by changing the saturation by 10% instead.

 29.9793, 0.3530,
0.1877


 29.9793, 0.3530,
0.1877


301.8080, 0.3359,
0.2527


 19.8229, 0.3563,
0.1734


 59.6294, 0.3475,
0.2099

 12.2664, 0.3601,
0.1561


 79.8919, 0.3452,
0.2187


 6.9253, 0.3643,
0.1349


 104.2919, 0.3432,
0.2263

 3.4155, 0.3686,
0.1089

 133.2138, 0.3414,
0.2329

 1.3523, 0.3721,
0.0773

 167.0419, 0.3398,
0.2387

 0.1812, 0.3795,
0.0215

206.1608, 0.3384,

 0.0000, 0.3623,

0.2439

0.0000

250.9546, 0.3371,
0.2485

■ 0.0000, 0.1836,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.9793, 0.3530,
0.1877

■ 29.9793, 0.3530,
0.1877

■ 27.6514, 0.3590,
0.1813

■ 33.5873, 0.3467,
0.1987

■ 26.4275, 0.3647,
0.1794

■ 38.6629, 0.3405,
0.2137

■ 26.1312, 0.3669,
0.1795

■ 45.3363, 0.3345,
0.2318

■ 53.7297, 0.3288,
0.2520

 63.9536, 0.3236,
0.2734

 76.1092, 0.3190,
0.2951

 90.2903, 0.3149,
0.3164

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.



29.9793, 0.2165, 0.1462



29.9793, 0.3530, 0.1877



29.9793, 0.5098, 0.2539

Triad

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



29.9793, 0.3530, 0.1877



29.9793, 0.4653, 0.5207



29.9793, 0.0967, 0.2272

Complementary

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



29.9793, 0.3530, 0.1877



73.2795, 0.2933, 0.5427

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.



29.9793, 0.1339, 0.3826



29.9793, 0.3530, 0.1877



29.9793, 0.3442, 0.6093

Square

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



29.9793, 0.3530, 0.1877



29.9793, 0.5621, 0.4165



29.9793, 0.2242, 0.5713



29.9793, 0.0994, 0.1555

Rectangle

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



29.9793, 0.3530, 0.1877



29.9793, 0.5772, 0.3042



29.9793, 0.2242, 0.5713



29.9793, 0.1038, 0.2685

Sweetspot

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



29.9708, 0.3529, 0.1877



67.5298, 0.3221, 0.2802



12.7218, 0.1807, 0.0960



13.5705, 0.3239, 0.2724



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.



29.9708, 0.3529, 0.1877



26.9316, 0.3618, 0.1798



26.1679, 0.4865, 0.2717



18.2476, 0.3163, 0.3093



13.6727, 0.3660, 0.1790



1.3440, 0.3600, 0.1757

Inverse Universe

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



29.9708, 0.3529, 0.1877



26.9316, 0.3618, 0.1798



76.0997, 0.2563, 0.4180



18.2476, 0.3163, 0.3093



13.6727, 0.3660, 0.1790



1.3440, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 29.9793, 0.3530, 0.1877 looks on a white background.

Color Contrast Check

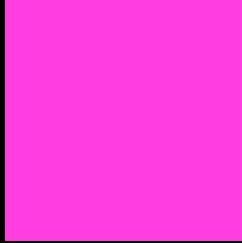
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9793, 0.3530, 0.1877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

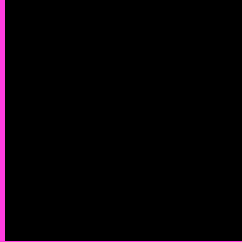
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9793, 0.3530, 0.1877

Background



This preview shows how black text looks on a background with the Yxy color 29.9793, 0.3530, 0.1877.



This preview shows how white text looks on a background with the Yxy color 29.9793, 0.3530, 0.1877.

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

29.9793, 0.3530, 0.1877

Protanopia

30.4871, 0.2063, 0.1873

Deuteranopia

29.9809, 0.2419, 0.2357



Tritanopia

29.8400, 0.4844, 0.3225

Trichromacy



Original Color

29.9793, 0.3530, 0.1877



Protanomaly

25.8610, 0.2400, 0.1716



Deuteranomaly

26.2193, 0.2742, 0.2017



Tritanomaly

29.0072, 0.4374, 0.2659

Monochromacy



Original Color

29.9793, 0.3530, 0.1877



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

23.8402, 0.3309, 0.2481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9793, 0.3530, 0.1877 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, 61, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 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, 61, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 224) }
```

Border

The CSS property to change the border of an element to Yxy 29.9793, 0.3530, 0.1877 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, 61, 224) }
```

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

```
.border{ border-color:rgb(255, 61, 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, 61, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9793, 0.3530, 0.1877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 224) }
```

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

```
.background{ background-color: rgb(255, 61,  
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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