

Converting Colors

$Y_{xy}(29.1691, 0.3721, 0.1999)$

Have a look what the booklet for
Yxy(29.1691, 0.3721, 0.1999)
contains.

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Color

Yxy(29.1516, 0.3722, 0.1998)

Conversions

Conversions Part 1

Format	Color
Hex	FF3DD0
RGB	255, 61, 208
RGB Percent	100%, 24%, 82%
CMY	0.0000, 0.7610, 0.1843
CMYK	0.00, 0.76, 0.18, 0.00
HSL	315°, 100%, 62%
HSV	315°, 76%, 100%
XYZ	54.3054, 29.1516, 62.4469
YIQ	135.7640, 68.4370, 86.8450

Conversions

Conversions Part 2

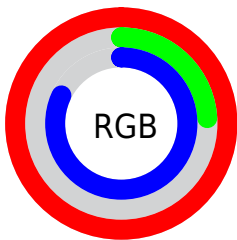
Format	Color
R _Y B	255, 61, 208
Decimal	16727504
CIE _{Lab}	60.92, 83.36, -33.56
CIE _{LCh}	61, 89.864, 338.074
Yxy	29.1516, 0.3722, 0.1998
Android (android.graphics.Color)	4294917584 (0xFFFF3DD0)
YUV	135.7640, 35.6123, 104.5700
Hunter-Lab	53.9922, 85.0491, -30.7797

Details

The Yxy color **29.1516, 0.3722, 0.1998** 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 **73.5914, 0.2880, 0.5248**, and the grayscale version is **24.3595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6587, 0.3184, 0.2079**, and **13.7692, 0.3831, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **26.7447, 0.3820, 0.1946**, and if you desaturate by 10%, it is **32.8507, 0.3622, 0.2096**.

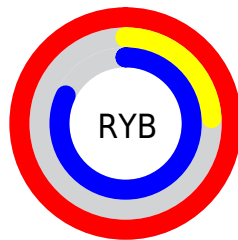
Distribution



Red (100%)

Green (24%)

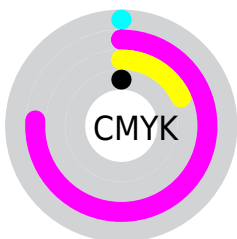
Blue (82%)



Red (100%)

Yellow (24%)

Blue (82%)

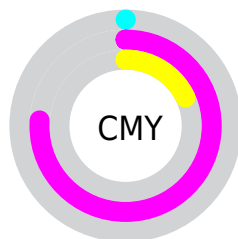


Cyan (0%)

Magenta (76%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (76%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1516, 0.3722, 0.1998 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 29.1516, 0.3722, 0.1998 by changing the saturation by 10% instead.


 29.1516, 0.3722,
0.1998


 29.1516, 0.3722,
0.1998


297.9296, 0.3442,
0.2607

 19.1955, 0.3786,
0.1860


 58.3179, 0.3625,
0.2209


 11.8117, 0.3863,
0.1690


 78.2968, 0.3587,
0.2292


 6.6156, 0.3960,
0.1479


 102.3856, 0.3555,
0.2363

 3.2229, 0.4081,
0.1213

 130.9685, 0.3526,
0.2424

 1.2492, 0.4234,
0.0878

 164.4300, 0.3501,
0.2478

 0.1013, 0.4562,
0.0159

203.1544, 0.3479,

 0.0000, 0.4626,

0.2526

0.0000

247.5261, 0.3460,
0.2569

■ 0.0000, 0.3716,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.1516, 0.3722,
0.1998

■ 29.1516, 0.3722,
0.1998

■ 26.7447, 0.3820,
0.1946

■ 32.8507, 0.3622,
0.2096


■ 25.4460, 0.3915,
0.1943


■ 38.0216, 0.3526,
0.2235

■ 25.1217, 0.3952,
0.1951

■ 44.7972, 0.3435,
0.2403

■ 53.2998, 0.3352,
0.2590

 63.6399, 0.3278,
0.2786

 75.9190, 0.3213,
0.2984

 90.2308, 0.3157,
0.3176

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.



29.1516, 0.2348, 0.1553



29.1516, 0.3722, 0.1998



29.1516, 0.5177, 0.2670

Triad

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



29.1516, 0.3722, 0.1998



29.1516, 0.4489, 0.5306



29.1516, 0.1013, 0.2190

Complementary

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



29.1516, 0.3722, 0.1998



73.5914, 0.2880, 0.5248

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.



29.1516, 0.1328, 0.3568



29.1516, 0.3722, 0.1998



29.1516, 0.3308, 0.6025

Square

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



29.1516, 0.3722, 0.1998



29.1516, 0.5459, 0.4301



29.1516, 0.2152, 0.5398



29.1516, 0.1079, 0.1564

Rectangle

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



29.1516, 0.3722, 0.1998



29.1516, 0.5737, 0.3172



29.1516, 0.2152, 0.5398



29.1516, 0.1069, 0.2553

Sweetspot

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



29.1458, 0.3722, 0.1998



67.2368, 0.3257, 0.2847



13.6288, 0.1900, 0.1008



13.4987, 0.3282, 0.2776



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.



29.1458, 0.3722, 0.1998



25.9857, 0.3867, 0.1939



25.7764, 0.5112, 0.2873



18.2207, 0.3175, 0.3112



13.1514, 0.3937, 0.1942



1.2976, 0.3836, 0.1887

Inverse Universe

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



29.1458, 0.3722, 0.1998



25.9857, 0.3867, 0.1939



76.8340, 0.2496, 0.3955



18.2207, 0.3175, 0.3112



13.1514, 0.3937, 0.1942



1.2976, 0.3836, 0.1887

Previews

White Background



This preview shows how the Yxy color 29.1516, 0.3722, 0.1998 looks on a white background.

Color Contrast Check

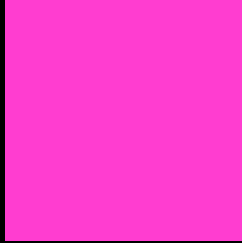
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1516, 0.3722, 0.1998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

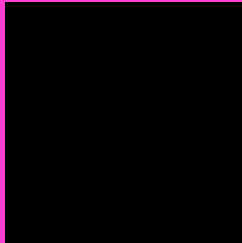
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1516, 0.3722, 0.1998

Background



This preview shows how black text looks on a background with the Yxy color 29.1516, 0.3722, 0.1998.



This preview shows how white text looks on a background with the Yxy color 29.1516, 0.3722, 0.1998.

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

29.1516, 0.3722, 0.1998

Protanopia

29.7079, 0.2043, 0.1842

Deuteranopia

29.3503, 0.2583, 0.2524



Tritanopia

29.1215, 0.4973, 0.3238

Trichromacy



Original Color

29.1516, 0.3722, 0.1998



Protanomaly

25.0777, 0.2419, 0.1745



Deuteranomaly

25.7167, 0.2934, 0.2161



Tritanomaly

28.4035, 0.4539, 0.2740

Monochromacy



Original Color

29.1516, 0.3722, 0.1998



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.1296, 0.3370, 0.2549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1516, 0.3722, 0.1998 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 208) }
```

Border

The CSS property to change the border of an element to Yxy 29.1516, 0.3722, 0.1998 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, 208) }
```

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

```
.border{ border-color:rgb(255, 61, 208) }
```

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, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1516, 0.3722, 0.1998 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, 208) }
```

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

```
.background{ background-color: rgb(255, 61,  
208) }
```

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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