

Converting Colors

$Y_{xy}(28.2050, 0.3542, 0.1801)$

Have a look what the booklet for
Yxy(28.2050, 0.3542, 0.1801)
contains.

Yxy(28.2277, 0.3540, 0.1801)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.2277, 0.3540, 0.1801)

Conversions

Conversions Part 1

Format	Color
Hex	FF29E0
RGB	255, 41, 224
RGB Percent	100%, 16%, 88%
CMY	0.0000, 0.8390, 0.1217
CMYK	0.00, 0.84, 0.12, 0.00
HSL	309°, 100%, 58%
HSV	309°, 84%, 100%
XYZ	55.4837, 28.2277, 73.0221
YIQ	125.8480, 68.8010, 102.2810

Conversions

Conversions Part 2

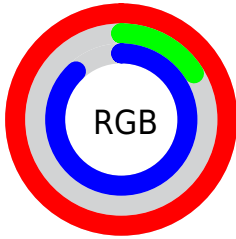
Format	Color
R _Y B	255, 41, 224
Decimal	16722400
CIE Lab	60.09, 89.88, -43.87
CIE LCh	60, 100.016, 333.986
Yxy	28.2277, 0.3540, 0.1801
Android (android.graphics.Color)	4294912480 (0xFFFF29E0)
YUV	125.8480, 48.3889, 113.2663
Hunter-Lab	53.1297, 93.4314, -44.2980

Details

The Yxy color **28.2277, 0.3540, 0.1801** 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 **72.4612, 0.2947, 0.5641**, and the grayscale version is **20.6332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9708, 0.3188, 0.1993**, and **14.2965, 0.3581, 0.1746** is the 20% darker color. If you saturate the color by 10%, you get **26.7988, 0.3592, 0.1770**, and if you desaturate by 10%, it is **30.8034, 0.3485, 0.1877**.

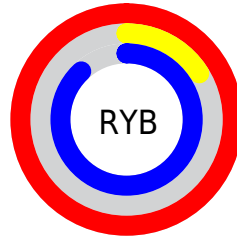
Distribution



Red (100%)

Green (16%)

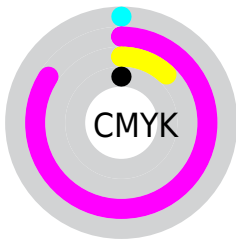
Blue (88%)



Red (100%)

Yellow (16%)

Blue (88%)

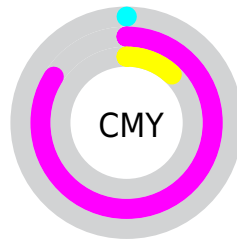


Cyan (0%)

Magenta (84%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (84%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2277, 0.3540, 0.1801 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 28.2277, 0.3540, 0.1801 by changing the saturation by 10% instead.

 28.2277, 0.3540,
0.1801

 28.2277, 0.3540,
0.1801


293.5534, 0.3367,
0.2484


 18.4974, 0.3573,
0.1651


 56.8478, 0.3485,
0.2034

 11.3077, 0.3609,
0.1471


 76.5063, 0.3462,
0.2126


 6.2742, 0.3648,
0.1253


 100.2430, 0.3442,
0.2206

 3.0125, 0.3685,
0.0987

 128.4423, 0.3423,
0.2276

 1.1383, 0.3709,
0.0670

 161.4886, 0.3407,
0.2337

 0.0104, 0.3801,
0.0013

199.7663, 0.3392,

 0.0000, 0.3526,

0.2392

0.0000

243.6597, 0.3379,
0.2441

■ 0.0000, 0.1299,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.2277, 0.3540,
0.1801

■ 28.2277, 0.3540,
0.1801

■ 26.7988, 0.3592,
0.1770

■ 30.8034, 0.3485,
0.1877

■ 26.3227, 0.3622,
0.1769


■ 34.7124, 0.3428,
0.1998


■ 40.1120, 0.3372,
0.2158

■ 47.1366, 0.3317,
0.2347

 55.9057, 0.3266,
0.2556

 66.5275, 0.3219,
0.2774

 79.1014, 0.3177,
0.2994

 93.7198, 0.3140,
0.3209

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.



28.2277, 0.2100, 0.1378



28.2277, 0.3540, 0.1801



28.2277, 0.5228, 0.2479

Triad

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



28.2277, 0.3540, 0.1801



28.2277, 0.4689, 0.5261



28.2277, 0.0870, 0.2196

Complementary

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



28.2277, 0.3540, 0.1801



72.4612, 0.2947, 0.5641

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.



28.2277, 0.1236, 0.3859



28.2277, 0.3540, 0.1801



28.2277, 0.3398, 0.6263

Square

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



28.2277, 0.3540, 0.1801



28.2277, 0.5726, 0.4134



28.2277, 0.2158, 0.5936



28.2277, 0.0905, 0.1465

Rectangle

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



28.2277, 0.3540, 0.1801



28.2277, 0.5940, 0.2990



28.2277, 0.2158, 0.5936



28.2277, 0.0938, 0.2629

Sweetspot

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



28.2291, 0.3540, 0.1801



65.2694, 0.3224, 0.2750



10.0953, 0.1682, 0.0796



13.1409, 0.3240, 0.2673



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.



28.2291, 0.3540, 0.1801



26.3227, 0.3622, 0.1769



24.1929, 0.5073, 0.2704



18.2524, 0.3160, 0.3089



13.7715, 0.3614, 0.1765



1.3527, 0.3561, 0.1735

Inverse Universe

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



28.2291, 0.3540, 0.1801



26.3227, 0.3622, 0.1769



75.1487, 0.2573, 0.4338



18.2524, 0.3160, 0.3089



13.7715, 0.3614, 0.1765



1.3527, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 28.2277, 0.3540, 0.1801 looks on a white background.

Color Contrast Check

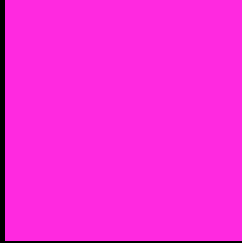
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2277, 0.3540, 0.1801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

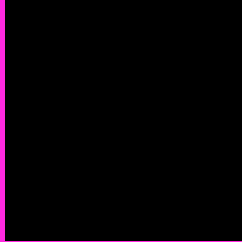
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2277, 0.3540, 0.1801

Background



This preview shows how black text looks on a background with the Yxy color 28.2277, 0.3540, 0.1801.



This preview shows how white text looks on a background with the Yxy color 28.2277, 0.3540, 0.1801.

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

28.2277, 0.3540, 0.1801

Protanopia

28.7901, 0.2011, 0.1807

Deuteranopia

28.5012, 0.2369, 0.2312



Tritanopia

27.9802, 0.5006, 0.3238

Trichromacy



Original Color

28.2277, 0.3540, 0.1801



Protanomaly

23.2141, 0.2345, 0.1594



Deuteranomaly

23.7981, 0.2696, 0.1898



Tritanomaly

26.8506, 0.4491, 0.2623

Monochromacy



Original Color

28.2277, 0.3540, 0.1801



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.6773, 0.3314, 0.2341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2277, 0.3540, 0.1801 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, 41, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 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, 41, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 224) }
```

Border

The CSS property to change the border of an element to Yxy 28.2277, 0.3540, 0.1801 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, 41, 224) }
```

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

```
.border{ border-color:rgb(255, 41, 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, 41, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2277, 0.3540, 0.1801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 224) }
```

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

```
.background{ background-color: rgb(255, 41,  
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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