

Converting Colors

$Y_{xy}(29.1358, 0.3508, 0.1819)$

Have a look what the booklet for
Yxy(29.1358, 0.3508, 0.1819)
contains.

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Color

Yxy(29.1186, 0.3512, 0.1821)

Conversions

Conversions Part 1

Format	Color
Hex	FF33E2
RGB	255, 51, 226
RGB Percent	100%, 20%, 89%
CMY	0.0000, 0.8002, 0.1136
CMYK	0.00, 0.80, 0.11, 0.00
HSL	309°, 100%, 60%
HSV	309°, 80%, 100%
XYZ	56.1584, 29.1186, 74.6274
YIQ	131.9460, 65.4090, 97.6730

Conversions

Conversions Part 2

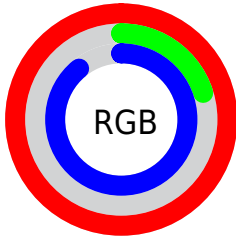
Format	Color
R _Y B	255, 51, 226
Decimal	16724962
CIE Lab	60.89, 88.16, -43.77
CIE LCh	61, 98.426, 333.593
Yxy	29.1186, 0.3512, 0.1821
Android (android.graphics.Color)	4294915042 (0xFFFF33E2)
YUV	131.9460, 46.3686, 107.9184
Hunter-Lab	53.9617, 91.3339, -44.2232

Details

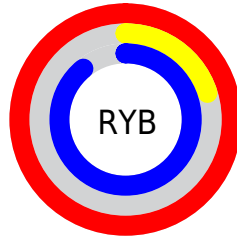
The Yxy color **29.1186, 0.3512, 0.1821** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **72.8011, 0.2945, 0.5559**, and the grayscale version is **22.8583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **14.3716, 0.3549, 0.1729** is the 20% darker color. If you saturate the color by 10%, you get **27.2706, 0.3564, 0.1772**, and if you desaturate by 10%, it is **32.1859, 0.3457, 0.1916**.

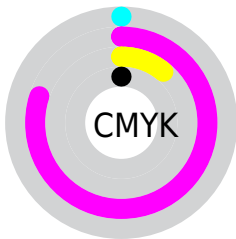
Distribution



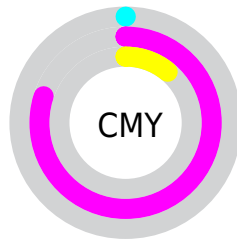
- Red (100%)
- Green (20%)
- Blue (89%)



- Red (100%)
- Yellow (20%)
- Blue (89%)



- Cyan (0%)
- Magenta (80%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1186, 0.3512, 0.1821 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 29.1186, 0.3512, 0.1821 by changing the saturation by 10% instead.


 29.1186, 0.3512,
0.1821


 29.1186, 0.3512,
0.1821


297.7741, 0.3353,
0.2494

 19.1706, 0.3542,
0.1674


 58.2655, 0.3462,
0.2050


 11.7936, 0.3574,
0.1496

 78.2331, 0.3441,
0.2141


 6.6033, 0.3608,
0.1281


 102.3093, 0.3422,
0.2220

 3.2153, 0.3639,
0.1019

 130.8786, 0.3405,
0.2288

 1.2451, 0.3656,
0.0705

 164.3254, 0.3390,
0.2349

 0.0981, 0.3712,
0.0115

203.0339, 0.3377,

 0.0000, 0.3466,

0.2403

0.0000

247.3887, 0.3364,
0.2451

■ 0.0000, 0.1569,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.1186, 0.3512,
0.1821

■ 29.1186, 0.3512,
0.1821

■ 27.2706, 0.3564,
0.1772


■ 32.1859, 0.3457,
0.1916

■ 26.3631, 0.3613,
0.1764


■ 36.6536, 0.3401,
0.2053

■ 42.6661, 0.3347,
0.2226

■ 50.3514, 0.3294,
0.2424

 59.8244, 0.3245,
0.2638

 71.1894, 0.3201,
0.2858

 84.5430, 0.3162,
0.3077

99.9752, 0.3127,
0.3290

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.



29.1186, 0.2108, 0.1405



29.1186, 0.3512, 0.1821



29.1186, 0.5158, 0.2491

Triad

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



29.1186, 0.3512, 0.1821



29.1186, 0.4692, 0.5223



29.1186, 0.0908, 0.2241

Complementary

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



29.1186, 0.3512, 0.1821



72.8011, 0.2945, 0.5559

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.



29.1186, 0.1284, 0.3877



29.1186, 0.3512, 0.1821



29.1186, 0.3434, 0.6191

Square

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



29.1186, 0.3512, 0.1821



29.1186, 0.5699, 0.4132



29.1186, 0.2207, 0.5872



29.1186, 0.0935, 0.1504

Rectangle

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



29.1186, 0.3512, 0.1821



29.1186, 0.5868, 0.2999



29.1186, 0.2207, 0.5872



29.1186, 0.0979, 0.2672

Sweetspot

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



29.1165, 0.3512, 0.1821



66.4274, 0.3218, 0.2770



11.2111, 0.1733, 0.0868



13.3630, 0.3234, 0.2692



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.



29.1165, 0.3512, 0.1821



26.6611, 0.3593, 0.1764



25.1249, 0.4945, 0.2691



18.2534, 0.3160, 0.3088



13.7923, 0.3605, 0.1760



1.3546, 0.3553, 0.1731

Inverse Universe

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



29.1165, 0.3512, 0.1821



26.6611, 0.3593, 0.1764



75.5257, 0.2573, 0.4282



18.2534, 0.3160, 0.3088



13.7923, 0.3605, 0.1760



1.3546, 0.3553, 0.1731

Previews

White Background



This preview shows how the Yxy color 29.1186, 0.3512, 0.1821 looks on a white background.

Color Contrast Check

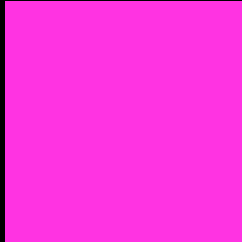
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1186, 0.3512, 0.1821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

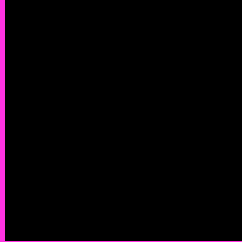
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1186, 0.3512, 0.1821

Background



This preview shows how black text looks on a background with the Yxy color 29.1186, 0.3512, 0.1821.



This preview shows how white text looks on a background with the Yxy color 29.1186, 0.3512, 0.1821.

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

29.1186, 0.3512, 0.1821

Protanopia

29.6533, 0.2039, 0.1841

Deuteranopia

29.3549, 0.2376, 0.2322



Tritanopia

28.8100, 0.4914, 0.3226

Trichromacy



Original Color

29.1186, 0.3512, 0.1821



Protanomaly

24.5535, 0.2376, 0.1656



Deuteranomaly

24.8659, 0.2693, 0.1930



Tritanomaly

27.8289, 0.4412, 0.2628

Monochromacy



Original Color

29.1186, 0.3512, 0.1821



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.8008, 0.3304, 0.2412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1186, 0.3512, 0.1821 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, 51, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 226)  
}
```

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, 51, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 226) }
```

Border

The CSS property to change the border of an element to Yxy 29.1186, 0.3512, 0.1821 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, 51, 226) }
```

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

```
.border{ border-color:rgb(255, 51, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1186, 0.3512, 0.1821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 226) }
```

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

```
.background{ background-color: rgb(255, 51,  
226) }
```

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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