

Converting Colors

$Y_{xy}(29.0478, 0.3258, 0.1785)$

Have a look what the booklet for
Yxy(29.0478, 0.3258, 0.1785)
contains.

Yxy(29.1005, 0.3261, 0.1787)	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(29.1005, 0.3261, 0.1787)

Conversions

Conversions Part 1

Format	Color
Hex	F048EA
RGB	240, 72, 234
RGB Percent	94%, 28%, 92%
CMY	0.0588, 0.7176, 0.0824
CMYK	0.00, 0.70, 0.03, 0.06
HSL	302°, 85%, 61%
HSV	302°, 70%, 94%
XYZ	53.1039, 29.1005, 80.6411
YIQ	140.7000, 48.1260, 85.9980

Conversions

Conversions Part 2

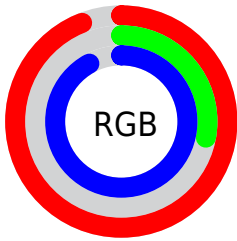
Format	Color
RYB	240, 72, 234
Decimal	15747306
CIELab	60.87, 80.48, -48.42
CIELCh	61, 93.917, 328.967
Yxy	29.1005, 0.3261, 0.1787
Android (android.graphics.Color)	4293937386 (0xFFFF048EA)
YUV	140.7000, 45.9969, 87.0861
Hunter-Lab	53.9449, 81.3138, -50.8700

Details

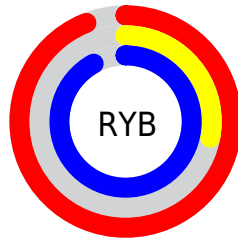
The Yxy color **29.1005, 0.3261, 0.1787** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **64.2565, 0.3004, 0.5481**, and the grayscale version is **26.3164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5302, 0.3181, 0.2136**, and **12.9177, 0.3237, 0.1557** is the 20% darker color. If you saturate the color by 10%, you get **26.5313, 0.3277, 0.1681**, and if you desaturate by 10%, it is **32.8830, 0.3243, 0.1935**.

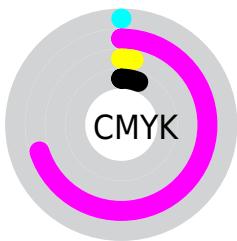
Distribution



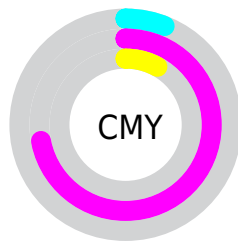
- Red (94%)
- Green (28%)
- Blue (92%)



- Red (94%)
- Yellow (28%)
- Blue (92%)



- Cyan (0%)
- Magenta (70%)
- Yellow (3%)
- Black (6%)





- Cyan (6%)
- Magenta (72%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1005, 0.3261, 0.1787 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 29.1005, 0.3261, 0.1787 by changing the saturation by 10% instead.

 29.1005, 0.3261,
0.1787


 29.1005, 0.3261,
0.1787


297.6889, 0.3232,
0.2474

 19.1569, 0.3258,
0.1638


 58.2367, 0.3258,
0.2020

 11.7837, 0.3249,
0.1458


 78.1981, 0.3255,
0.2113

 6.5966, 0.3228,
0.1242


 102.2675, 0.3251,
0.2193

 3.2111, 0.3185,
0.0980

 130.8293, 0.3247,
0.2263

 1.2429, 0.3097,
0.0669

164.2680, 0.3243,
0.2325

 0.0963, 0.2982,
0.0105

202.9679, 0.3239,

 0.0000, 0.2541,

0.2380

0.0000

247.3134, 0.3235,
0.2429

■ 0.0000, 0.0000,
0.0000

■ 29.1005, 0.3261,
0.1787

■ 29.1005, 0.3261,
0.1787

■ 26.5313, 0.3277,
0.1681

■ 32.8830, 0.3243,
0.1935

■ 25.0213, 0.3291,
0.1619

■ 38.0007, 0.3223,
0.2121

■ 24.3191, 0.3303,
0.1593


■ 44.5652, 0.3203,
0.2335

■ 52.6754, 0.3183,
0.2568

■ 62.4212, 0.3163,
0.2810

 73.8860, 0.3144,
0.3053

 87.1472, 0.3127,
0.3290

 96.3910, 0.3115,
0.3430

 96.4427, 0.3110,
0.3421

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.1005, 0.1990, 0.1423



29.1005, 0.3261, 0.1787



29.1005, 0.4853, 0.2415

Triad

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



29.1005, 0.3261, 0.1787



29.1005, 0.4846, 0.5021



29.1005, 0.1000, 0.2474

Complementary

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



29.1005, 0.3261, 0.1787



64.2565, 0.3004, 0.5481

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.



29.1005, 0.1459, 0.4171



29.1005, 0.3261, 0.1787



29.1005, 0.3654, 0.5988

Square

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



29.1005, 0.3261, 0.1787



29.1005, 0.5731, 0.4005



29.1005, 0.2440, 0.5914



29.1005, 0.0968, 0.1636

Rectangle

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



29.1005, 0.3261, 0.1787



29.1005, 0.5643, 0.2912



29.1005, 0.2440, 0.5914



29.1005, 0.1096, 0.2941

Sweetspot

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



29.1019, 0.3261, 0.1787



70.3401, 0.3165, 0.2784



12.5302, 0.1802, 0.1067



14.3635, 0.3171, 0.2716



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.



29.1019, 0.3261, 0.1787



29.5662, 0.3283, 0.1649



25.3779, 0.4345, 0.2518



16.0210, 0.3144, 0.3066



13.3154, 0.3301, 0.1592



1.1108, 0.3288, 0.1585

Inverse Universe

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



29.1019, 0.3261, 0.1787



29.5662, 0.3283, 0.1649



66.3006, 0.2665, 0.4382



16.0210, 0.3144, 0.3066



13.3154, 0.3301, 0.1592



1.1108, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 29.1005, 0.3261, 0.1787 looks on a white background.

Color Contrast Check

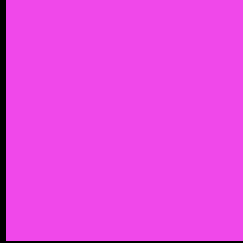
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1005, 0.3261, 0.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

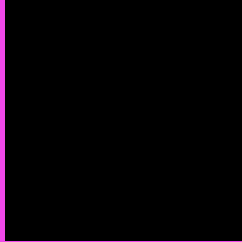
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1005, 0.3261, 0.1787

Background



This preview shows how black text looks on a background with the Yxy color 29.1005, 0.3261, 0.1787.



This preview shows how white text looks on a background with the Yxy color 29.1005, 0.3261, 0.1787.

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

29.1005, 0.3261, 0.1787

Protanopia

29.6533, 0.2039, 0.1841

Deuteranopia

29.2112, 0.2267, 0.2206



Tritanopia

28.7908, 0.4509, 0.3203

Trichromacy



Original Color

29.1005, 0.3261, 0.1787



Protanomaly

25.9682, 0.2325, 0.1702



Deuteranomaly

25.9537, 0.2540, 0.1915



Tritanomaly

28.0596, 0.4048, 0.2593

Monochromacy



Original Color

29.1005, 0.3261, 0.1787



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

24.9330, 0.3188, 0.2475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1005, 0.3261, 0.1787 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(240, 72, 234)` looks like.

```
.text, #text, p{  
    color:rgb(240, 72, 234)  
}
```

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(240, 72, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 72, 234) }
```

Border

The CSS property to change the border of an element to Yxy 29.1005, 0.3261, 0.1787 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(240, 72, 234) }
```

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

```
.border{ border-color:rgb(240, 72, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 72, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 72, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 72, 234);  
box-shadow:4px 4px 4px 4px rgb(240, 72,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1005, 0.3261, 0.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 72, 234) }
```

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

```
.background{ background-color: rgb(240, 72,  
234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor