

Converting Colors

$Y_{xy}(29.2467, 0.3561, 0.2040)$

Have a look what the booklet for
Yxy(29.2467, 0.3561, 0.2040)
contains.

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Color

Yxy(29.2180, 0.3554, 0.2036)

Conversions

Conversions Part 1

Format	Color
Hex	F250D1
RGB	242, 80, 209
RGB Percent	95%, 31%, 82%
CMY	0.0509, 0.6864, 0.1803
CMYK	0.00, 0.67, 0.14, 0.05
HSL	312°, 86%, 63%
HSV	312°, 67%, 95%
XYZ	51.0023, 29.2180, 63.2865
YIQ	143.1440, 55.1430, 74.4630

Conversions

Conversions Part 2

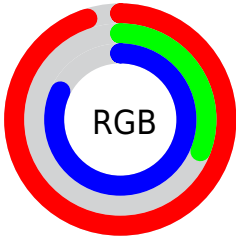
Format	Color
R _{YB}	242, 80, 209
Decimal	15880401
CIE _{Lab}	60.97, 74.52, -34.20
CIE _{LCh}	61, 81.995, 335.351
Y _{xy}	29.2180, 0.3554, 0.2036
Android (android.graphics.Color)	4294070481 (0xFFFF250D1)
YUV	143.1440, 32.4670, 86.6967
Hunter-Lab	54.0537, 73.8297, -31.5797

Details

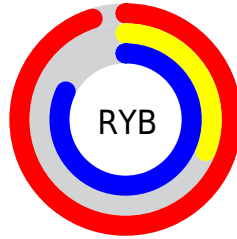
The Yxy color **29.2180, 0.3554, 0.2036** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **66.4129, 0.2907, 0.5074**, and the grayscale version is **27.3776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2362, 0.3179, 0.2187**, and **12.2782, 0.3640, 0.1779** is the 20% darker color. If you saturate the color by 10%, you get **26.0516, 0.3635, 0.1935**, and if you desaturate by 10%, it is **33.6702, 0.3474, 0.2177**.

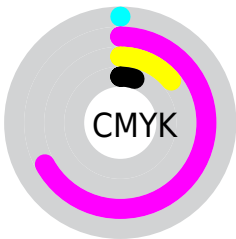
Distribution



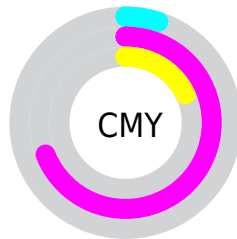
- Red (95%)
- Green (31%)
- Blue (82%)



- Red (95%)
- Yellow (31%)
- Blue (82%)



- Cyan (0%)
- Magenta (67%)
- Yellow (14%)
- Black (5%)





- Cyan (5%)
- Magenta (69%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2180, 0.3554, 0.2036 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 29.2180, 0.3554, 0.2036 by changing the saturation by 10% instead.

 29.2180, 0.3554,
0.2036

 29.2180, 0.3554,
0.2036


298.2422, 0.3360,
0.2630

 19.2458, 0.3596,
0.1900


 58.4233, 0.3488,
0.2243

 11.8480, 0.3646,
0.1732

 78.4251, 0.3462,
0.2324

 6.6403, 0.3706,
0.1523


 102.5390, 0.3439,
0.2393

 3.2382, 0.3778,
0.1257

 131.1492, 0.3419,
0.2453

 1.2573, 0.3857,
0.0918

164.6403, 0.3402,
0.2505

 0.1078, 0.4058,
0.0179

203.3965, 0.3386,

 0.0000, 0.3929,

0.2552

0.0000

247.8024, 0.3372,
0.2593

■ 0.0000, 0.0000,
0.0000

■ 29.2180, 0.3554,
0.2036

■ 29.2180, 0.3554,
0.2036

■ 26.0516, 0.3635,
0.1935

■ 33.6702, 0.3474,
0.2177

■ 24.0222, 0.3715,
0.1880

■ 39.5271, 0.3398,
0.2349


■ 22.9466, 0.3791,
0.1872

■ 46.8987, 0.3327,
0.2542

■ 22.7193, 0.3814,
0.1875


■ 55.8830, 0.3263,
0.2746

■ 66.5697, 0.3207,
0.2952

 79.0420, 0.3157,
0.3154

 93.3775, 0.3115,
0.3348

 97.2062, 0.3085,
0.3354

 97.5170, 0.3057,
0.3306

Harmonies

Analogous

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



29.2180, 0.2318, 0.1633



29.2180, 0.3554, 0.2036



29.2180, 0.4904, 0.2667

Triad

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



29.2180, 0.3554, 0.2036



29.2180, 0.4549, 0.5133



29.2180, 0.1150, 0.2377

Complementary

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



29.2180, 0.3554, 0.2036



66.4129, 0.2907, 0.5074

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.



29.2180, 0.1511, 0.3710



29.2180, 0.3554, 0.2036



29.2180, 0.3456, 0.5776

Square

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



29.2180, 0.3554, 0.2036



29.2180, 0.5388, 0.4224



29.2180, 0.2346, 0.5295



29.2180, 0.1176, 0.1715

Rectangle

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



29.2180, 0.3554, 0.2036



29.2180, 0.5484, 0.3151



29.2180, 0.2346, 0.5295



29.2180, 0.1221, 0.2742

Sweetspot

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



29.2194, 0.3554, 0.2036



71.0148, 0.3223, 0.2888



15.6162, 0.2019, 0.1230



14.4685, 0.3239, 0.2830



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.



29.2194, 0.3554, 0.2036



28.4549, 0.3662, 0.1912



26.1890, 0.4669, 0.2816



15.9730, 0.3169, 0.3104



12.2229, 0.3802, 0.1868



1.0306, 0.3709, 0.1817

Inverse Universe

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



29.2194, 0.3554, 0.2036



28.4549, 0.3662, 0.1912



69.0896, 0.2549, 0.3937



15.9730, 0.3169, 0.3104



12.2229, 0.3802, 0.1868



1.0306, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 29.2180, 0.3554, 0.2036 looks on a white background.

Color Contrast Check

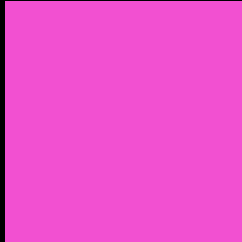
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2180, 0.3554, 0.2036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

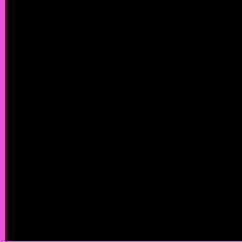
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2180, 0.3554, 0.2036

Background



This preview shows how black text looks on a background with the Yxy color 29.2180, 0.3554, 0.2036.



This preview shows how white text looks on a background with the Yxy color 29.2180, 0.3554, 0.2036.

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

29.2180, 0.3554, 0.2036

Protanopia

29.7632, 0.2048, 0.1844

Deuteranopia

29.3609, 0.2561, 0.2497



Tritanopia

29.0768, 0.4628, 0.3207

Trichromacy



Original Color

29.2180, 0.3554, 0.2036



Protanomaly

26.3318, 0.2398, 0.1812



Deuteranomaly

26.8708, 0.2867, 0.2210



Tritanomaly

28.5522, 0.4240, 0.2733

Monochromacy



Original Color

29.2180, 0.3554, 0.2036



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.8067, 0.3297, 0.2635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2180, 0.3554, 0.2036 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(242, 80, 209)` looks like.

```
.text, #text, p{  
    color:rgb(242, 80, 209)  
}
```

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(242, 80, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 80, 209) }
```

Border

The CSS property to change the border of an element to Yxy 29.2180, 0.3554, 0.2036 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(242, 80, 209) }
```

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

```
.border{ border-color:rgb(242, 80, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 80, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 80, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 80, 209);  
box-shadow:4px 4px 4px 4px rgb(242, 80,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2180, 0.3554, 0.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 80, 209) }
```

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

```
.background{ background-color: rgb(242, 80,  
209) }
```

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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