

Converting Colors

$Y_{xy}(29.2227, 0.3520, 0.2005)$

Have a look what the booklet for
Yxy(29.2227, 0.3520, 0.2005)
contains.

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Color

Yxy(29.2227, 0.3520, 0.2005)

Conversions

Conversions Part 1

Format	Color
Hex	F24FD4
RGB	242, 79, 212
RGB Percent	95%, 31%, 83%
CMY	0.0509, 0.6903, 0.1686
CMYK	0.00, 0.67, 0.12, 0.05
HSL	311°, 86%, 63%
HSV	311°, 67%, 95%
XYZ	51.3037, 29.2227, 65.2227
YIQ	142.8990, 54.4550, 75.9190

Conversions

Conversions Part 2

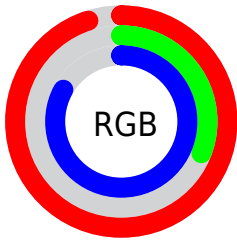
Format	Color
R _{YB}	242, 79, 212
Decimal	15880148
CIE _{Lab}	60.98, 75.30, -35.87
CIE _{LCh}	61, 83.413, 334.528
Yxy	29.2227, 0.3520, 0.2005
Android (android.graphics.Color)	4294070228 (0xFFFF24FD4)
YUV	142.8990, 34.0668, 86.9116
Hunter-Lab	54.0580, 74.8036, -33.6947

Details

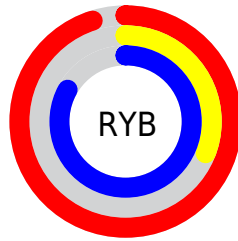
The Yxy color **29.2227, 0.3520, 0.2005** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **66.2851, 0.2919, 0.5126**, and the grayscale version is **27.2688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9452, 0.3179, 0.2178**, and **12.3794, 0.3589, 0.1751** is the 20% darker color. If you saturate the color by 10%, you get **26.1245, 0.3593, 0.1903**, and if you desaturate by 10%, it is **33.5999, 0.3448, 0.2147**.

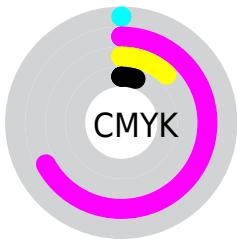
Distribution



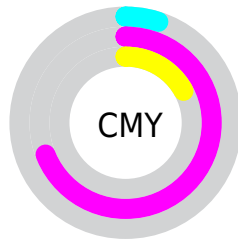
- Red (95%)
- Green (31%)
- Blue (83%)



- Red (95%)
- Yellow (31%)
- Blue (83%)



- Cyan (0%)
- Magenta (67%)
- Yellow (12%)
- Black (5%)




- Cyan (5%)
- Magenta (69%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2227, 0.3520, 0.2005 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 29.2227, 0.3520, 0.2005 by changing the saturation by 10% instead.

 29.2227, 0.3520,
0.2005


 29.2227, 0.3520,
0.2005


298.2643, 0.3345,
0.2611

 19.2494, 0.3557,
0.1867


 58.4307, 0.3462,
0.2216


 11.8506, 0.3599,
0.1698


 78.4342, 0.3438,
0.2298

 6.6420, 0.3649,
0.1487


 102.5498, 0.3418,
0.2368

 3.2393, 0.3705,
0.1221

 131.1620, 0.3400,
0.2430

 1.2579, 0.3761,
0.0885

164.6552, 0.3384,
0.2483

 0.1082, 0.3914,
0.0170

203.4137, 0.3369,


 0.0000, 0.3729,


0.2531


0.0000

247.8219, 0.3357,
0.2573


 0.0000, 0.0000,
0.0000

 29.2227, 0.3520,
0.2005

 29.2227, 0.3520,
0.2005

 26.1245, 0.3593,
0.1903

 33.5999, 0.3448,
0.2147

 24.1555, 0.3663,
0.1848


 39.3758, 0.3379,
0.2322


 23.1263, 0.3731,
0.1837

 46.6608, 0.3314,
0.2517

 22.9338, 0.3748,
0.1838

 55.5534, 0.3255,
0.2725

 66.1435, 0.3203,
0.2935

 78.5144, 0.3157,
0.3142

 92.7440, 0.3117,
0.3341

 97.1577, 0.3089,
0.3362

 97.4372, 0.3064,
0.3318

Harmonies

Analogous

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



29.2227, 0.2277, 0.1607



29.2227, 0.3520, 0.2005



29.2227, 0.4900, 0.2636

Triad

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



29.2227, 0.3520, 0.2005



29.2227, 0.4586, 0.5124



29.2227, 0.1131, 0.2387

Complementary

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



29.2227, 0.3520, 0.2005



66.2851, 0.2919, 0.5126

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.



29.2227, 0.1504, 0.3761



29.2227, 0.3520, 0.2005



29.2227, 0.3482, 0.5809

Square

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



29.2227, 0.3520, 0.2005



29.2227, 0.5431, 0.4199



29.2227, 0.2358, 0.5370



29.2227, 0.1149, 0.1704

Rectangle

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



29.2227, 0.3520, 0.2005



29.2227, 0.5505, 0.3122



29.2227, 0.2358, 0.5370



29.2227, 0.1205, 0.2763

Sweetspot

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



29.2241, 0.3520, 0.2005



71.0755, 0.3216, 0.2879



15.2443, 0.1993, 0.1210



14.4832, 0.3231, 0.2819



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.



29.2241, 0.3520, 0.2005



28.4187, 0.3620, 0.1876



26.0989, 0.4643, 0.2786



15.9786, 0.3166, 0.3099



12.3362, 0.3738, 0.1833



1.0391, 0.3655, 0.1787

Inverse Universe

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



29.2241, 0.3520, 0.2005



28.4187, 0.3620, 0.1876



68.9158, 0.2560, 0.3980



15.9786, 0.3166, 0.3099



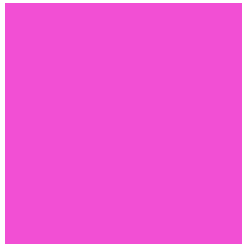
12.3362, 0.3738, 0.1833



1.0391, 0.3655, 0.1787

Previews

White Background



This preview shows how the Yxy color 29.2227, 0.3520, 0.2005 looks on a white background.

Color Contrast Check

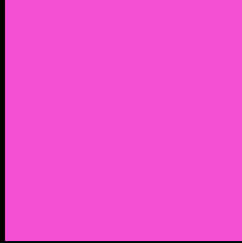
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2227, 0.3520, 0.2005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

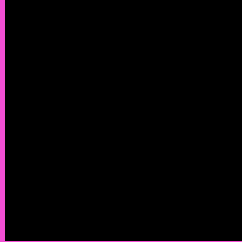
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2227, 0.3520, 0.2005

Background



This preview shows how black text looks on a background with the Yxy color 29.2227, 0.3520, 0.2005.

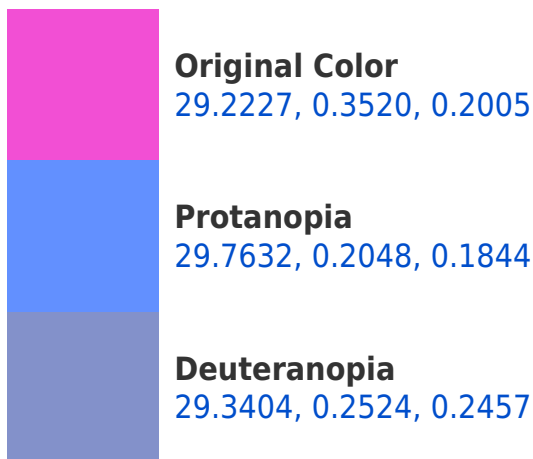


This preview shows how white text looks on a background with the Yxy color 29.2227, 0.3520, 0.2005.

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





Tritanopia

29.1187, 0.4612, 0.3218

Trichromacy



Original Color

29.2227, 0.3520, 0.2005



Protanomaly

26.1490, 0.2390, 0.1792



Deuteranomaly

26.7889, 0.2820, 0.2173



Tritanomaly

28.5843, 0.4226, 0.2723

Monochromacy



Original Color

29.2227, 0.3520, 0.2005



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.8438, 0.3285, 0.2623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2227, 0.3520, 0.2005 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, 79, 212)` looks like.

```
.text, #text, p{  
    color:rgb(242, 79, 212)  
}
```

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, 79, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 79, 212) }
```

Border

The CSS property to change the border of an element to Yxy 29.2227, 0.3520, 0.2005 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, 79, 212) }
```

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

```
.border{ border-color:rgb(242, 79, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 79, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 79, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 79, 212);  
box-shadow:4px 4px 4px 4px rgb(242, 79,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2227, 0.3520, 0.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 79, 212) }
```

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

```
.background{ background-color: rgb(242, 79,  
212) }
```

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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