

# Converting Colors

Yxy(26.2018, 0.3049, 0.1640)

Have a look what the booklet for  
Yxy(26.2018, 0.3049, 0.1640)  
contains.

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# Color

**Yxy(26.1953, 0.3048, 0.1639)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E142F0
RGB	225, 66, 240
RGB Percent	88%, 26%, 94%
CMY	0.1178, 0.7409, 0.0589
CMYK	0.06, 0.72, 0.00, 0.06
HSL	295°, 85%, 60%
HSV	295°, 72%, 94%
XYZ	48.7146, 26.1953, 84.9150
YIQ	133.3770, 38.9100, 87.8220

# Conversions

## Conversions Part 2

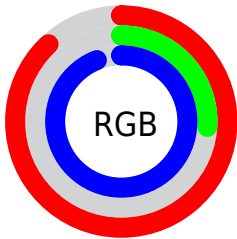
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 66, 240
Decimal	14762736
CIE Lab	58.22, 80.22, -56.12
CIE LCh	58, 97.901, 325.021
Yxy	26.1953, 0.3048, 0.1639
Android (android.graphics.Color)	4292952816 (0xFFE142F0)
YUV	133.3770, 52.5651, 80.3534
Hunter-Lab	51.1813, 80.3297, -62.5411

# Details

The Yxy color **26.1953, 0.3048, 0.1639** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **64.4603, 0.3071, 0.5569**, and the grayscale version is **23.4064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9183, 0.3184, 0.2087**, and **11.4182, 0.2963, 0.1406** is the 20% darker color. If you saturate the color by 10%, you get **23.6210, 0.3027, 0.1523**, and if you desaturate by 10%, it is **29.9517, 0.3067, 0.1798**.

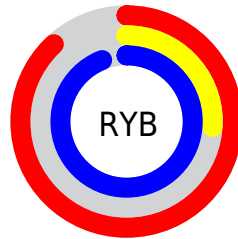
# Distribution



Red (88%)

Green (26%)

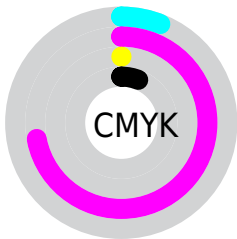
Blue (94%)



Red (88%)

Yellow (26%)

Blue (94%)

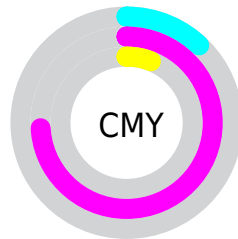


Cyan (6%)

Magenta (72%)

Yellow (0%)

Black (6%)



Cyan (12%)

Magenta (74%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.1953, 0.3048, 0.1639 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 26.1953, 0.3048, 0.1639 by changing the saturation by 10% instead.





 26.1953, 0.3048,  
0.1639

 26.1953, 0.3048,  
0.1639


283.7395, 0.3134,  
0.2390

 16.9698, 0.3015,  
0.1478


 53.5898, 0.3089,  
0.1892


 10.2130, 0.2966,  
0.1288


 72.5277, 0.3101,  
0.1993


 5.5404, 0.2893,  
0.1061


 95.4718, 0.3111,  
0.2081

 2.5677, 0.2779,  
0.0795

 122.8065, 0.3118,  
0.2158

 0.9104, 0.2592,  
0.0493

 154.9162, 0.3124,  
0.2226

 0.0000, 0.2319,  
0.0000

192.1853, 0.3128,


 0.0000, 0.1717,


0.2287


0.0000


234.9983, 0.3132,  
0.2341

 0.0000, 0.0000,  
0.0000


 26.1953, 0.3048,  
0.1639


 26.1953, 0.3048,  
0.1639


 23.6210, 0.3027,  
0.1523


 29.9517, 0.3067,  
0.1798


 22.0672, 0.3006,  
0.1451

 35.0178, 0.3083,  
0.1996


 21.3878, 0.2989,  
0.1420


 41.5081, 0.3097,  
0.2223

 49.5239, 0.3108,  
0.2469

 59.1575, 0.3117,  
0.2725

 70.4934, 0.3123,  
0.2981

 83.6106, 0.3127,  
0.3230

 96.6079, 0.3130,  
0.3438

 96.9762, 0.3143,  
0.3438

# Harmonies

## Analogous

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



26.1953, 0.1789, 0.1306



26.1953, 0.3048, 0.1639



26.1953, 0.4765, 0.2256

# Triad

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



26.1953, 0.3048, 0.1639



26.1953, 0.5051, 0.4912



26.1953, 0.0924, 0.2575

# Complementary

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



26.1953, 0.3048, 0.1639



64.4603, 0.3071, 0.5569

# 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.



26.1953, 0.1448, 0.4535



26.1953, 0.3048, 0.1639



26.1953, 0.3782, 0.6030

# Square

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



26.1953, 0.3048, 0.1639



26.1953, 0.5936, 0.3846



26.1953, 0.2511, 0.6280



26.1953, 0.0857, 0.1607



# Rectangle

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



26.1953, 0.3048, 0.1639



26.1953, 0.5697, 0.2756



26.1953, 0.2511, 0.6280



26.1953, 0.1036, 0.3119

# Sweetspot

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



26.1965, 0.3048, 0.1639



68.3727, 0.3117, 0.2735



13.7106, 0.1777, 0.1154



13.9457, 0.3115, 0.2665



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.



26.1965, 0.3048, 0.1639



26.1186, 0.3017, 0.1483



25.3471, 0.4060, 0.2278



15.9579, 0.3124, 0.3056



11.7391, 0.2993, 0.1422



0.9968, 0.3023, 0.1439



# Inverse Universe

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



23.0246, 0.5425, 0.3173



22.6070, 0.6022, 0.3209



65.2401, 0.2765, 0.4768



15.7810, 0.3280, 0.3270



10.1780, 0.6304, 0.3247



0.8543, 0.6083, 0.3125



# Previews

## White Background



This preview shows how the Yxy color 26.1953, 0.3048, 0.1639 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

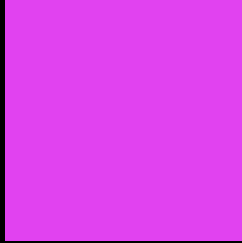
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.1953, 0.3048, 0.1639 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

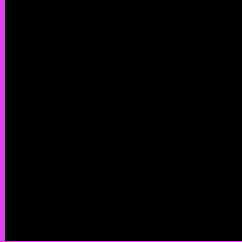
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.1953, 0.3048, 0.1639**

## Background



This preview shows how black text looks on a background with the Yxy color 26.1953, 0.3048, 0.1639.

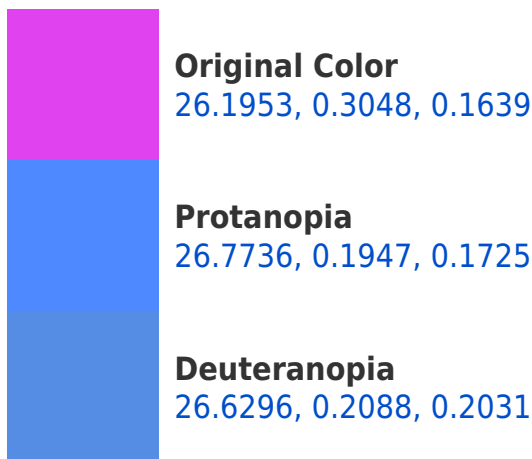


This preview shows how white text looks on a background with the Yxy color 26.1953, 0.3048, 0.1639.

# 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

25.9233, 0.4344, 0.3194

# Trichromacy



## Original Color

26.1953, 0.3048, 0.1639



## Protanomaly

23.1765, 0.2181, 0.1557



## Deuteranomaly

23.1792, 0.2319, 0.1739



## Tritanomaly

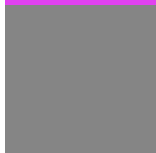
24.8844, 0.3834, 0.2481

# Monochromacy



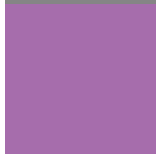
## Original Color

26.1953, 0.3048, 0.1639



## Achromatopsia

23.4551, 0.3127, 0.3290



## Achromatomaly

22.0228, 0.3099, 0.2383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.1953, 0.3048, 0.1639 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(225, 66, 240)` looks like.

```
.text, #text, p{  
    color:rgb(225, 66, 240)  
}
```

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(225, 66, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 66, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 26.1953, 0.3048, 0.1639 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(225, 66, 240) }
```

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

```
.border{ border-color:rgb(225, 66, 240) }
```

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

Here you see how a box with a 4 pixel rgb(225, 66, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 66, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 66, 240);  
box-shadow:4px 4px 4px 4px rgb(225, 66,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.1953, 0.3048, 0.1639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 66, 240) }
```

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

```
.background{ background-color: rgb(225, 66,  
240) }
```

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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