

Converting Colors

$Y_{xy}(26.4485, 0.3203, 0.1583)$

Have a look what the booklet for
Yxy(26.4485, 0.3203, 0.1583)
contains.

Yxy(26.5057, 0.3207, 0.1585)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.5057, 0.3207, 0.1585)

Conversions

Conversions Part 1

Format	Color
Hex	F31FF3
RGB	243, 31, 243
RGB Percent	95%, 12%, 95%
CMY	0.0471, 0.8784, 0.0470
CMYK	0.00, 0.87, 0.00, 0.05
HSL	300°, 90%, 54%
HSV	300°, 87%, 95%
XYZ	53.6301, 26.5057, 87.0925
YIQ	118.5560, 58.3000, 110.8760

Conversions

Conversions Part 2

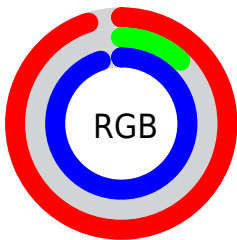
Format	Color
R _Y B	243, 31, 243
Decimal	15933427
CIE Lab	58.51, 91.99, -57.18
CIE LCh	59, 108.311, 328.134
Yxy	26.5057, 0.3207, 0.1585
Android (android.graphics.Color)	4294123507 (0xFFFF31FF3)
YUV	118.5560, 61.3509, 109.1374
Hunter-Lab	51.4837, 95.8456, -64.2595

Details

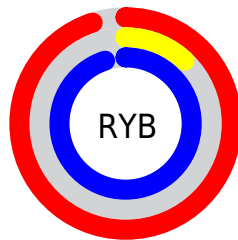
The Yxy color **26.5057, 0.3207, 0.1585** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **64.4991, 0.3005, 0.5897**, and the grayscale version is **18.0937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6319, 0.3190, 0.1949**, and **13.4903, 0.3156, 0.1512** is the 20% darker color. If you saturate the color by 10%, you get **25.6716, 0.3209, 0.1548**, and if you desaturate by 10%, it is **28.2891, 0.3203, 0.1662**.

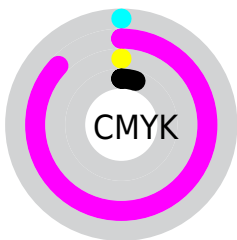
Distribution



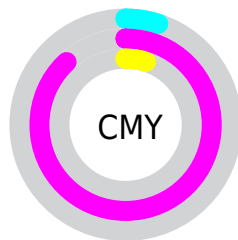
- Red (95%)
- Green (12%)
- Blue (95%)



- Red (95%)
- Yellow (12%)
- Blue (95%)



- Cyan (0%)
- Magenta (87%)
- Yellow (0%)
- Black (5%)




- Cyan (5%)
- Magenta (88%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5057, 0.3207, 0.1585 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 26.5057, 0.3207, 0.1585 by changing the saturation by 10% instead.


 26.5057, 0.3207,
0.1585


 26.5057, 0.3207,
0.1585


285.2558, 0.3217,
0.2348


 17.2023, 0.3191,
0.1425


 54.0896, 0.3221,
0.1840

 10.3789, 0.3165,
0.1236

 73.1390, 0.3223,
0.1942

 5.6509, 0.3120,
0.1014


 96.2059, 0.3224,
0.2032

 2.6340, 0.3043,
0.0755

 123.6746, 0.3224,
0.2110

 0.9438, 0.2906,
0.0467

 155.9295, 0.3223,
0.2180

 0.0000, 0.2707,
0.0000

193.3551, 0.3221,

 0.0000, 0.2200,

0.2242

0.0000

236.3357, 0.3219,
0.2298

■ 0.0000, 0.0000,
0.0000

■ 26.5057, 0.3207,
0.1585

■ 26.5057, 0.3207,
0.1585

■ 25.6716, 0.3209,
0.1548

■ 28.2891, 0.3203,
0.1662

■ 25.5257, 0.3209,
0.1541

■ 31.2084, 0.3198,
0.1783

■ 35.4117, 0.3190,
0.1945

■ 41.0236, 0.3181,
0.2143

■ 48.1543, 0.3170,
0.2368

■ 56.9028, 0.3159,
0.2611

■ 67.3600, 0.3147,
0.2862

■ 79.6099, 0.3135,
0.3113

■ 93.7310, 0.3124,
0.3356

Harmonies

Analogous

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



26.5057, 0.1794, 0.1212



26.5057, 0.3207, 0.1585



26.5057, 0.5102, 0.2246

Triad

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



26.5057, 0.3207, 0.1585



26.5057, 0.4955, 0.5045



26.5057, 0.0766, 0.2325

Complementary

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



26.5057, 0.3207, 0.1585



64.4991, 0.3005, 0.5897

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.



26.5057, 0.1215, 0.4389



26.5057, 0.3207, 0.1585



26.5057, 0.3579, 0.6331

Square

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



26.5057, 0.3207, 0.1585



26.5057, 0.6029, 0.3880



26.5057, 0.2255, 0.6530



26.5057, 0.0751, 0.1423

Rectangle

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



26.5057, 0.3207, 0.1585



26.5057, 0.6036, 0.2758



26.5057, 0.2255, 0.6530



26.5057, 0.0855, 0.2866

Sweetspot

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



26.5069, 0.3207, 0.1585



64.7454, 0.3158, 0.2641



7.9392, 0.1566, 0.0717



13.0710, 0.3162, 0.2554



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.



26.5069, 0.3207, 0.1585



28.4768, 0.3209, 0.1541



21.9473, 0.4630, 0.2406



16.7683, 0.3138, 0.3057



14.0079, 0.3209, 0.1541



1.2312, 0.3209, 0.1541

Inverse Universe

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



20.1368, 0.6177, 0.3299



21.2600, 0.6401, 0.3300



66.1067, 0.2709, 0.4855



16.4826, 0.3294, 0.3290



10.4579, 0.6401, 0.3300



0.9192, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 26.5057, 0.3207, 0.1585 looks on a white background.

Color Contrast Check

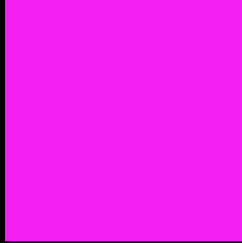
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5057, 0.3207, 0.1585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

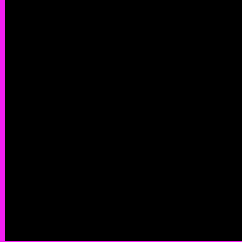
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.5057, 0.3207, 0.1585

Background



This preview shows how black text looks on a background with the Yxy color 26.5057, 0.3207, 0.1585.



This preview shows how white text looks on a background with the Yxy color 26.5057, 0.3207, 0.1585.

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

26.5057, 0.3207, 0.1585

Protanopia

26.8607, 0.1955, 0.1728

Deuteranopia

26.7816, 0.2093, 0.2024



Tritanopia

26.2493, 0.4772, 0.3219

Trichromacy



Original Color

26.5057, 0.3207, 0.1585



Protanomaly

21.2758, 0.2209, 0.1442



Deuteranomaly

21.1772, 0.2340, 0.1599



Tritanomaly

24.5878, 0.4193, 0.2456

Monochromacy



Original Color

26.5057, 0.3207, 0.1585



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.3892, 0.3179, 0.2175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5057, 0.3207, 0.1585 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(243, 31, 243)` looks like.

```
.text, #text, p{  
    color:rgb(243, 31, 243)  
}
```

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(243, 31, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 31, 243) }
```

Border

The CSS property to change the border of an element to Yxy 26.5057, 0.3207, 0.1585 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(243, 31, 243) }
```

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

```
.border{ border-color:rgb(243, 31, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 31, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 31, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 31, 243);  
box-shadow:4px 4px 4px 4px rgb(243, 31,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5057, 0.3207, 0.1585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 31, 243) }
```

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

```
.background{ background-color: rgb(243, 31,  
243) }
```

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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