

Converting Colors

$Y_{xy}(22.8265, 0.5127, 0.2617)$

Have a look what the booklet for
Yxy(22.8265, 0.5127, 0.2617)
contains.

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Color

Yxy(22.8331, 0.5119, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	FF0A78
RGB	255, 10, 120
RGB Percent	100%, 4%, 47%
CMY	0.0001, 0.9596, 0.5294
CMYK	0.00, 0.96, 0.53, 0.00
HSL	333°, 100%, 52%
HSV	333°, 96%, 100%
XYZ	44.7312, 22.8331, 19.8184
YIQ	95.7950, 110.7100, 86.1500

Conversions

Conversions Part 2

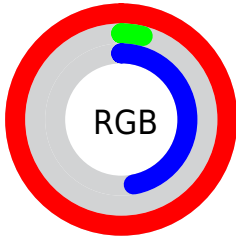
Format	Color
R_{YB}	255, 10, 120
Decimal	16714360
CIE _{Lab}	54.90, 83.32, 8.90
CIE _{LCh}	55, 83.791, 6.095
Yxy	22.8331, 0.5119, 0.2613
Android (android.graphics.Color)	4294904440 (0xFFFF0A78)
YUV	95.7950, 11.9331, 139.6228
Hunter-Lab	47.7840, 83.4741, 8.8583

Details

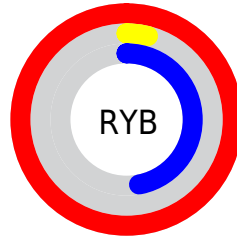
The Yxy color **22.8331, 0.5119, 0.2613** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **73.6218, 0.2670, 0.4794**, and the grayscale version is **11.6386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5459, 0.4116, 0.2589**, and **11.5442, 0.5477, 0.2791** is the 20% darker color. If you saturate the color by 10%, you get **22.4769, 0.5224, 0.2651**, and if you desaturate by 10%, it is **24.2275, 0.4848, 0.2545**.

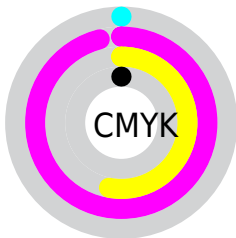
Distribution



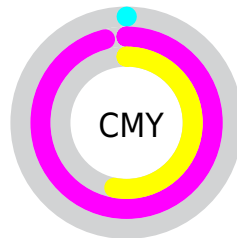
- Red (100%)
- Green (4%)
- Blue (47%)



- Red (100%)
- Yellow (4%)
- Blue (47%)



- Cyan (0%)
- Magenta (96%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (96%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8331, 0.5119, 0.2613 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 22.8331, 0.5119, 0.2613 by changing the saturation by 10% instead.


 22.8331, 0.5119,
0.2613


 22.8331, 0.5119,
0.2613


266.8666, 0.4020,
0.3009


 14.4703, 0.5422,
0.2495


 48.1191, 0.4697,
0.2771


 8.4485, 0.5824,
0.2333

 65.8112, 0.4545,
0.2826


 4.3832, 0.6374,
0.2100

 87.3818, 0.4419,
0.2871

 1.8902, 0.7147,
0.1751

 113.2153, 0.4313,
0.2908

 0.5425, 0.8796,
0.1204

 143.6961, 0.4224,
0.2940

 0.0000, 1.0000,
0.0000

179.2087, 0.4146,

 0.0000, 0.0000,

0.2966

0.0000

220.1374, 0.4079,
0.2989

■ 22.8331, 0.5119,
0.2613

■ 22.8331, 0.5119,
0.2613

■ 22.4769, 0.5224,
0.2651

■ 24.2275, 0.4848,
0.2545

■ 26.7664, 0.4565,
0.2532

■ 30.6536, 0.4288,
0.2569

■ 36.0527, 0.4031,
0.2646

■ 43.1034, 0.3802,
0.2749

■ 51.9296, 0.3605,
0.2866

■ 62.6431, 0.3438,
0.2988

■ 75.3464, 0.3300,
0.3108

■ 90.1347, 0.3185,
0.3224

Harmonies

Analogous

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



22.8331, 0.3624, 0.1949



22.8331, 0.5119, 0.2613



22.8331, 0.5847, 0.3375

Triad

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



22.8331, 0.5119, 0.2613



22.8331, 0.3381, 0.6035



22.8331, 0.1051, 0.1574

Complementary

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



22.8331, 0.5119, 0.2613



73.6218, 0.2670, 0.4794

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.



22.8331, 0.1005, 0.2242



22.8331, 0.5119, 0.2613



22.8331, 0.2209, 0.5524

Square

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



22.8331, 0.5119, 0.2613



22.8331, 0.4567, 0.5251



22.8331, 0.1350, 0.3690



22.8331, 0.1436, 0.1386

Rectangle

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



22.8331, 0.5119, 0.2613



22.8331, 0.5726, 0.3931



22.8331, 0.1350, 0.3690



22.8331, 0.0999, 0.1729

Sweetspot

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



22.8345, 0.5119, 0.2613



59.1936, 0.3486, 0.2950



13.4499, 0.2147, 0.0969



11.6948, 0.3557, 0.2898



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.



22.8345, 0.5119, 0.2613



22.4824, 0.5224, 0.2651



21.8719, 0.6321, 0.3325



18.1225, 0.3223, 0.3184



11.7766, 0.5183, 0.2629



1.1683, 0.4902, 0.2474

Inverse Universe

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



22.8345, 0.5119, 0.2613



22.4824, 0.5224, 0.2651



71.2298, 0.2208, 0.3137



18.1225, 0.3223, 0.3184



11.7766, 0.5183, 0.2629



1.1683, 0.4902, 0.2474

Previews

White Background



This preview shows how the Yxy color 22.8331, 0.5119, 0.2613 looks on a white background.

Color Contrast Check

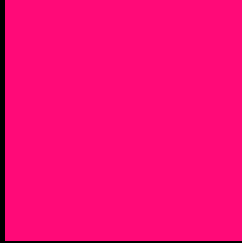
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8331, 0.5119, 0.2613 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 22.8331, 0.5119, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 22.8331, 0.5119, 0.2613.



This preview shows how white text looks on a background with the Yxy color 22.8331, 0.5119, 0.2613.

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

22.8331, 0.5119, 0.2613

Protanopia

23.3147, 0.2626, 0.2601

Deuteranopia

23.0552, 0.3657, 0.3590



Tritanopia

23.0228, 0.5979, 0.3298

Trichromacy



Original Color

22.8331, 0.5119, 0.2613



Protanomaly

17.6955, 0.3391, 0.2324



Deuteranomaly

18.6364, 0.4300, 0.2918



Tritanomaly

22.5211, 0.5763, 0.3067

Monochromacy



Original Color

22.8331, 0.5119, 0.2613



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.6705, 0.4027, 0.2645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8331, 0.5119, 0.2613 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(255, 10, 120)` looks like.

```
.text, #text, p{  
  color:rgb(255, 10, 120)  
}
```

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(255, 10, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 120) }
```

Border

The CSS property to change the border of an element to Yxy 22.8331, 0.5119, 0.2613 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(255, 10, 120) }
```

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

```
.border{ border-color:rgb(255, 10, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8331, 0.5119, 0.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 120) }
```

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

```
.background{ background-color: rgb(255, 10,  
120) }
```

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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