

Converting Colors

$Y_{xy}(23.3077, 0.5207, 0.2718)$

Have a look what the booklet for
Yxy(23.3077, 0.5207, 0.2718)
contains.

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Color

Yxy(23.3310, 0.5207, 0.2720)

Conversions

Conversions Part 1

Format	Color
Hex	FF1D71
RGB	255, 29, 113
RGB Percent	100%, 11%, 44%
CMY	0.0000, 0.8863, 0.5567
CMYK	0.00, 0.89, 0.56, 0.00
HSL	338°, 100%, 56%
HSV	338°, 89%, 100%
XYZ	44.6634, 23.3310, 17.7813
YIQ	106.1500, 107.7320, 74.0360

Conversions

Conversions Part 2

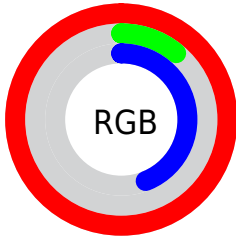
Format	Color
R_{YB}	255, 29, 113
Decimal	16719217
CIE Lab	55.41, 80.92, 13.80
CIE LCh	55, 82.084, 9.681
Yxy	23.3310, 0.5207, 0.2720
Android (android.graphics.Color)	4294909297 (0xFFFF1D71)
YUV	106.1500, 3.3771, 130.5415
Hunter-Lab	48.3022, 80.5243, 11.9853

Details

The Yxy color **23.3310, 0.5207, 0.2720** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **74.7196, 0.2581, 0.4422**, and the grayscale version is **14.4233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2484, 0.4205, 0.2712**, and **11.4697, 0.5600, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **22.1990, 0.5502, 0.2812**, and if you desaturate by 10%, it is **25.5303, 0.4882, 0.2678**.

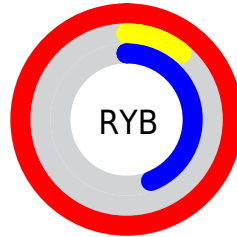
Distribution



Red (100%)

Green (11%)

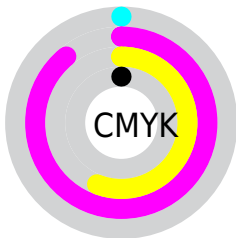
Blue (44%)



Red (100%)

Yellow (11%)

Blue (44%)

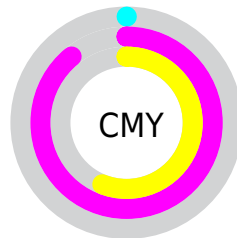


Cyan (0%)

Magenta (89%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3310, 0.5207, 0.2720 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 23.3310, 0.5207, 0.2720 by changing the saturation by 10% instead.


 23.3310, 0.5207,
0.2720


 23.3310, 0.5207,
0.2720


269.4205, 0.4060,
0.3070


 14.8381, 0.5521,
0.2610


 48.9363, 0.4767,
0.2864


 8.7058, 0.5936,
0.2455


 66.8174, 0.4609,
0.2913

 4.5498, 0.6499,
0.2228

 88.5968, 0.4477,
0.2952

 1.9856, 0.7278,
0.1878

 114.6587, 0.4367,
0.2985

 0.5991, 0.8683,
0.1317

 145.3877, 0.4273,
0.3012

 0.0000, 1.0000,
0.0000

181.1681, 0.4192,

 0.0000, 0.0000,

0.3034

0.0000

222.3842, 0.4121,
0.3054

■ 23.3310, 0.5207,
0.2720

■ 23.3310, 0.5207,
0.2720

■ 22.1990, 0.5502,
0.2812

■ 25.5303, 0.4882,
0.2678

■ 22.0830, 0.5541,
0.2826

■ 29.0420, 0.4554,
0.2687

■ 34.0390, 0.4244,
0.2737

■ 40.6678, 0.3967,
0.2815

■ 49.0566, 0.3728,
0.2910

■ 59.3212, 0.3527,
0.3011

■ 71.5672, 0.3361,
0.3112

■ 85.8922, 0.3225,
0.3210

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.3310, 0.3797, 0.2045



23.3310, 0.5207, 0.2720



23.3310, 0.5797, 0.3484

Triad

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



23.3310, 0.5207, 0.2720



23.3310, 0.3254, 0.5993



23.3310, 0.1112, 0.1566

Complementary

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



23.3310, 0.5207, 0.2720



74.7196, 0.2581, 0.4422

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.



23.3310, 0.1030, 0.2159



23.3310, 0.5207, 0.2720



23.3310, 0.2115, 0.5277

Square

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



23.3310, 0.5207, 0.2720



23.3310, 0.4424, 0.5342



23.3310, 0.1323, 0.3474



23.3310, 0.1540, 0.1421

Rectangle

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



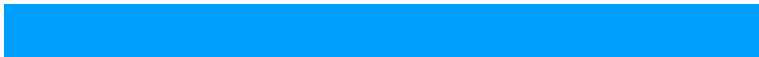
23.3310, 0.5207, 0.2720



23.3310, 0.5617, 0.4046



23.3310, 0.1323, 0.3474



23.3310, 0.1049, 0.1702

Sweetspot

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



23.3311, 0.5207, 0.2720



61.1820, 0.3498, 0.3028



16.4628, 0.2359, 0.1119



12.2752, 0.3560, 0.2993



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.



23.3311, 0.5207, 0.2720



22.0830, 0.5541, 0.2826



24.1150, 0.6076, 0.3420



18.0988, 0.3236, 0.3202



11.5652, 0.5498, 0.2802



1.1464, 0.5187, 0.2631

Inverse Universe

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



23.3311, 0.5207, 0.2720



22.0830, 0.5541, 0.2826



63.3162, 0.2170, 0.2956



18.0988, 0.3236, 0.3202



11.5652, 0.5498, 0.2802



1.1464, 0.5187, 0.2631

Previews

White Background



This preview shows how the Yxy color 23.3310, 0.5207, 0.2720 looks on a white background.

Color Contrast Check

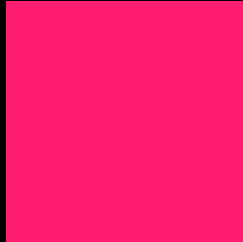
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3310, 0.5207, 0.2720 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 23.3310, 0.5207, 0.2720

Background



This preview shows how black text looks on a background with the Yxy color 23.3310, 0.5207, 0.2720.



This preview shows how white text looks on a background with the Yxy color 23.3310, 0.5207, 0.2720.

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

23.3310, 0.5207, 0.2720

Protanopia

23.5878, 0.2788, 0.2806

Deuteranopia

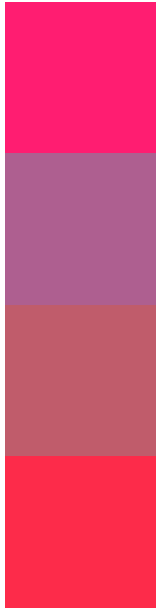
23.4855, 0.3762, 0.3700



Tritanopia

23.3021, 0.5934, 0.3298

Trichromacy



Original Color

23.3310, 0.5207, 0.2720

Protanomaly

19.1967, 0.3570, 0.2578

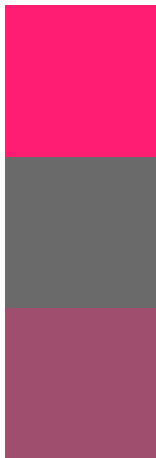
Deuteranomaly

19.9223, 0.4381, 0.3093

Tritanomaly

23.1048, 0.5726, 0.3105

Monochromacy



Original Color

23.3310, 0.5207, 0.2720

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.0265, 0.3986, 0.2798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3310, 0.5207, 0.2720 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, 29, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 29, 113)  
}
```

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, 29, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 29, 113) }
```

Border

The CSS property to change the border of an element to Yxy 23.3310, 0.5207, 0.2720 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, 29, 113) }
```

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

```
.border{ border-color:rgb(255, 29, 113) }
```

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

Here you see how a box with a 4 pixel rgb(255, 29, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 29, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 29, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 29,  
113) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.3310, 0.5207, 0.2720$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 29, 113) }
```

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

```
.background{ background-color: rgb(255, 29,  
113) }
```

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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