

Converting Colors

$Y_{xy}(23.5478, 0.4999, 0.2529)$

Have a look what the booklet for
Yxy(23.5478, 0.4999, 0.2529)
contains.

Yxy(22.8667, 0.4975, 0.2516)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8667, 0.4975, 0.2516)

Conversions

Conversions Part 1

Format	Color
Hex	FF0181
RGB	255, 1, 129
RGB Percent	100%, 0%, 51%
CMY	0.0000, 0.9961, 0.4941
CMYK	0.00, 1.00, 0.49, 0.00
HSL	330°, 100%, 50%
HSV	330°, 100%, 100%
XYZ	45.2154, 22.8667, 22.8031
YIQ	91.5380, 110.2960, 93.6560

Conversions

Conversions Part 2

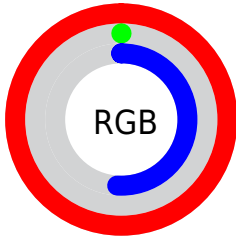
Format	Color
R_{YB}	255, 1, 129
Decimal	16712065
CIE _{Lab}	54.93, 84.57, 3.53
CIE _{LCh}	55, 84.639, 2.391
Yxy	22.8667, 0.4975, 0.2516
Android (android.graphics.Color)	4294902145 (0xFFFF0181)
YUV	91.5380, 18.4688, 143.3562
Hunter-Lab	47.8191, 85.0971, 5.2003

Details

The Yxy color **22.8667, 0.4975, 0.2516** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **73.0587, 0.2736, 0.5047**, and the grayscale version is **10.5298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7517, 0.3991, 0.2483**, and **11.6556, 0.5306, 0.2697** is the 20% darker color. If you saturate the color by 10%, you get **22.8320, 0.4984, 0.2519**, and if you desaturate by 10%, it is **23.9642, 0.4739, 0.2443**.

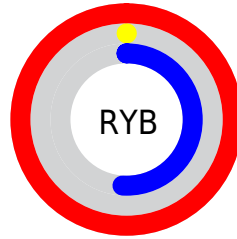
Distribution



Red (100%)

Green (0%)

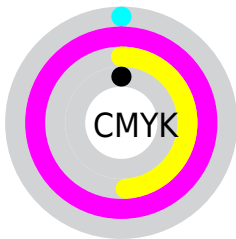
Blue (51%)



Red (100%)

Yellow (0%)

Blue (51%)

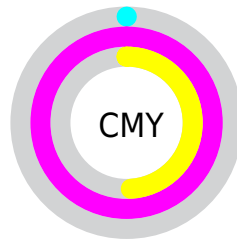


Cyan (0%)

Magenta (100%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (100%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8667, 0.4975, 0.2516 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 22.8667, 0.4975, 0.2516 by changing the saturation by 10% instead.


 22.8667, 0.4975,
0.2516


 22.8667, 0.4975,
0.2516


267.0396, 0.3959,
0.2950


 14.4951, 0.5255,
0.2393


 48.1744, 0.4585,
0.2685


 8.4658, 0.5628,
0.2228

 65.8792, 0.4445,
0.2745


 4.3944, 0.6141,
0.1996

 87.4639, 0.4329,
0.2794

 1.8966, 0.6874,
0.1657

 113.3130, 0.4231,
0.2836

 0.5463, 0.8195,
0.1102

 143.8106, 0.4148,
0.2871

 0.0000, 1.0000,
0.0000

179.3414, 0.4076,

 0.0000, 0.0000,

0.2901

0.0000

220.2896, 0.4014,
0.2927

■ 22.8667, 0.4975,
0.2516

■ 22.8667, 0.4975,
0.2516

■ 22.8320, 0.4984,
0.2519

■ 23.9642, 0.4739,
0.2443

■ 26.0599, 0.4492,
0.2422

■ 29.4272, 0.4247,
0.2455

■ 34.2409, 0.4014,
0.2532

■ 40.6477, 0.3803,
0.2640

■ 48.7762, 0.3618,
0.2766

■ 58.7418, 0.3460,
0.2901

■ 70.6499, 0.3327,
0.3037

■ 84.5975, 0.3216,
0.3170

Harmonies

Analogous

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



22.8667, 0.3435, 0.1871



22.8667, 0.4975, 0.2516



22.8667, 0.5840, 0.3272

Triad

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



22.8667, 0.4975, 0.2516



22.8667, 0.3526, 0.6005



22.8667, 0.1015, 0.1613

Complementary

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



22.8667, 0.4975, 0.2516



73.0587, 0.2736, 0.5047

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.



22.8667, 0.1010, 0.2363



22.8667, 0.4975, 0.2516



22.8667, 0.2335, 0.5715

Square

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



22.8667, 0.4975, 0.2516



22.8667, 0.4710, 0.5131



22.8667, 0.1414, 0.3928



22.8667, 0.1356, 0.1379

Rectangle

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



22.8667, 0.4975, 0.2516



22.8667, 0.5798, 0.3819



22.8667, 0.1414, 0.3928



22.8667, 0.0977, 0.1790

Sweetspot

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



22.8671, 0.4975, 0.2516



58.3127, 0.3466, 0.2896



11.5098, 0.1976, 0.0864



11.5394, 0.3530, 0.2838



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.



22.8671, 0.4975, 0.2516



22.8320, 0.4984, 0.2519



21.2933, 0.6384, 0.3293



18.1398, 0.3215, 0.3171



11.9604, 0.4948, 0.2499



1.1866, 0.4695, 0.2360

Inverse Universe

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



22.8671, 0.4975, 0.2516



22.8320, 0.4984, 0.2519



78.4768, 0.2261, 0.3339



18.1398, 0.3215, 0.3171



11.9604, 0.4948, 0.2499



1.1866, 0.4695, 0.2360

Previews

White Background



This preview shows how the Yxy color 22.8667, 0.4975, 0.2516 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 22.8667, 0.4975, 0.2516 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 22.8667, 0.4975, 0.2516

Background



This preview shows how black text looks on a background with the Yxy color 22.8667, 0.4975, 0.2516.



This preview shows how white text looks on a background with the Yxy color 22.8667, 0.4975, 0.2516.

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

22.8667, 0.4975, 0.2516

Protanopia

23.4908, 0.2483, 0.2412

Deuteranopia

23.3257, 0.3520, 0.3457



Tritanopia

23.1159, 0.5931, 0.3298

Trichromacy



Original Color

22.8667, 0.4975, 0.2516



Protanomaly

17.2727, 0.3208, 0.2139



Deuteranomaly

18.2585, 0.4153, 0.2756



Tritanomaly

22.3477, 0.5694, 0.3022

Monochromacy



Original Color

22.8667, 0.4975, 0.2516



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.7272, 0.4004, 0.2545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8667, 0.4975, 0.2516 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, 1, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 1, 129)  
}
```

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, 1, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 1, 129) }
```

Border

The CSS property to change the border of an element to Yxy 22.8667, 0.4975, 0.2516 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, 1, 129) }
```

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

```
.border{ border-color:rgb(255, 1, 129) }
```

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

Here you see how a box with a 4 pixel rgb(255, 1, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 1, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 1, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 1,  
129) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.8667, 0.4975, 0.2516$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 1, 129) }
```

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

```
.background{ background-color: rgb(255, 1,  
129) }
```

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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