

Converting Colors

$Y_{xy}(22.6124, 0.5131, 0.2600)$

Have a look what the booklet for
Yxy(22.6124, 0.5131, 0.2600)
contains.

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Color

Yxy(22.6161, 0.5128, 0.2599)

Conversions

Conversions Part 1

Format	Color
Hex	FF0078
RGB	255, 0, 120
RGB Percent	100%, 0%, 47%
CMY	0.0001, 0.9989, 0.5295
CMYK	0.00, 1.00, 0.53, 0.00
HSL	332°, 100%, 50%
HSV	332°, 100%, 100%
XYZ	44.6231, 22.6161, 19.7793
YIQ	89.9250, 113.4600, 91.3800

Conversions

Conversions Part 2

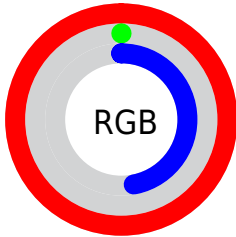
Format	Color
R_YB	255, 0, 120
Decimal	16711800
CIE _{Lab}	54.67, 83.97, 8.58
CIE _{LCh}	55, 84.412, 5.836
Yxy	22.6161, 0.5128, 0.2599
Android (android.graphics.Color)	4294901880 (0xFFFF0078)
YUV	89.9250, 14.8270, 144.7708
Hunter-Lab	47.5564, 84.2663, 8.6300

Details

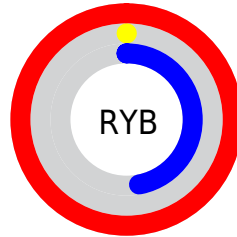
The Yxy color **22.6161, 0.5128, 0.2599** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **73.2633, 0.2704, 0.4935**, and the grayscale version is **10.1919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1622, 0.4122, 0.2572**, and **11.5442, 0.5477, 0.2791** is the 20% darker color. If you saturate the color by 10%, you get **22.6074, 0.5131, 0.2600**, and if you desaturate by 10%, it is **23.6922, 0.4875, 0.2518**.

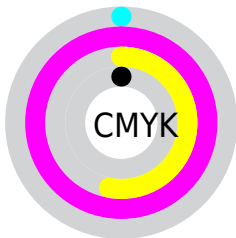
Distribution



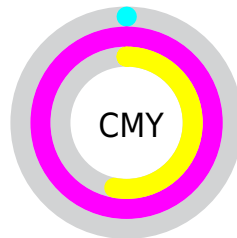
- Red (100%)
- Green (0%)
- Blue (47%)



- Red (100%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6161, 0.5128, 0.2599 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 22.6161, 0.5128, 0.2599 by changing the saturation by 10% instead.


 22.6161, 0.5128,
0.2599


 22.6161, 0.5128,
0.2599


265.7470, 0.4023,
0.3003

 14.3103, 0.5433,
0.2479


 47.7622, 0.4703,
0.2760


 8.3368, 0.5838,
0.2314


 65.3713, 0.4551,
0.2816

 4.3112, 0.6392,
0.2079


 86.8502, 0.4424,
0.2862

 1.8491, 0.7170,
0.1726

 112.5835, 0.4318,
0.2900

 0.5175, 0.8840,
0.1160

 142.9554, 0.4228,
0.2932

 0.0000, 1.0000,
0.0000

178.3503, 0.4150,

 0.0000, 0.0000,

0.2959

0.0000

219.1528, 0.4082,
0.2982

■ 22.6161, 0.5128,
0.2599

■ 22.6161, 0.5128,
0.2599

■ 22.6074, 0.5131,
0.2600

■ 23.6922, 0.4875,
0.2518

■ 25.7552, 0.4607,
0.2488

■ 29.0896, 0.4340,
0.2512

■ 33.8712, 0.4086,
0.2580

■ 40.2479, 0.3857,
0.2679

■ 48.3488, 0.3657,
0.2797

■ 58.2900, 0.3486,
0.2923

■ 70.1772, 0.3343,
0.3051

■ 84.1081, 0.3224,
0.3174

Harmonies

Analogous

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



22.6161, 0.3614, 0.1934



22.6161, 0.5128, 0.2599



22.6161, 0.5869, 0.3362

Triad

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



22.6161, 0.5128, 0.2599



22.6161, 0.3386, 0.6058



22.6161, 0.1036, 0.1564

Complementary

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



22.6161, 0.5128, 0.2599



73.2633, 0.2704, 0.4935

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.



22.6161, 0.0992, 0.2239



22.6161, 0.5128, 0.2599



22.6161, 0.2207, 0.5565

Square

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



22.6161, 0.5128, 0.2599



22.6161, 0.4581, 0.5252



22.6161, 0.1339, 0.3708



22.6161, 0.1419, 0.1373

Rectangle

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



22.6161, 0.5128, 0.2599



22.6161, 0.5749, 0.3919



22.6161, 0.1339, 0.3708



22.6161, 0.0985, 0.1721

Sweetspot

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



22.6175, 0.5128, 0.2599



58.1784, 0.3488, 0.2922



12.1204, 0.2038, 0.0897



11.5077, 0.3557, 0.2868



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.



22.6175, 0.5128, 0.2599



22.6124, 0.5131, 0.2600



21.3544, 0.6391, 0.3306



18.1292, 0.3220, 0.3179



11.8450, 0.5092, 0.2579



1.1752, 0.4821, 0.2430

Inverse Universe

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



22.6175, 0.5128, 0.2599



22.6124, 0.5131, 0.2600



76.0465, 0.2232, 0.3236



18.1292, 0.3220, 0.3179



11.8450, 0.5092, 0.2579



1.1752, 0.4821, 0.2430

Previews

White Background



This preview shows how the Yxy color 22.6161, 0.5128, 0.2599 looks on a white background.

Color Contrast Check

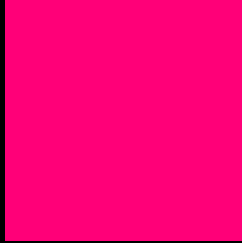
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6161, 0.5128, 0.2599 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 22.6161, 0.5128, 0.2599

Background



This preview shows how black text looks on a background with the Yxy color 22.6161, 0.5128, 0.2599.



This preview shows how white text looks on a background with the Yxy color 22.6161, 0.5128, 0.2599.

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

22.6161, 0.5128, 0.2599

Protanopia

23.2817, 0.2609, 0.2584

Deuteranopia

23.0552, 0.3657, 0.3590



Tritanopia

23.0146, 0.5988, 0.3304

Trichromacy



Original Color

22.6161, 0.5128, 0.2599



Protanomaly

16.9546, 0.3383, 0.2268



Deuteranomaly

18.0243, 0.4321, 0.2868



Tritanomaly

22.3570, 0.5773, 0.3056

Monochromacy



Original Color

22.6161, 0.5128, 0.2599



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.3499, 0.4079, 0.2576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6161, 0.5128, 0.2599 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, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 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, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 120) }
```

Border

The CSS property to change the border of an element to Yxy 22.6161, 0.5128, 0.2599 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, 0, 120) }
```

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

```
.border{ border-color:rgb(255, 0, 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, 0, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6161, 0.5128, 0.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 120) }
```

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

```
.background{ background-color: rgb(255, 0,  
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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