

Converting Colors

$Yxy(34.8435, 0.5568, 0.2891)$

Have a look what the booklet for
Yxy(34.8435, 0.5568, 0.2891)
contains.

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Color

Yxy(23.2137, 0.5228, 0.2724)

Conversions

Conversions Part 1

Format	Color
Hex	FF1B70
RGB	255, 27, 112
RGB Percent	100%, 11%, 44%
CMY	0.0000, 0.8938, 0.5609
CMYK	0.00, 0.89, 0.56, 0.00
HSL	338°, 100%, 55%
HSV	338°, 89%, 100%
XYZ	44.5526, 23.2137, 17.4529
YIQ	104.8620, 108.6030, 74.7710

Conversions

Conversions Part 2

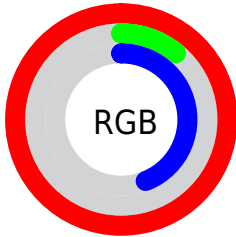
Format	Color
R_{YB}	255, 27, 112
Decimal	16718704
CIE _{Lab}	55.29, 81.11, 14.27
CIE _{LCh}	55, 82.356, 9.981
Yxy	23.2137, 0.5228, 0.2724
Android (android.graphics.Color)	4294908784 (0xFFFF1B70)
YUV	104.8620, 3.5190, 131.6710
Hunter-Lab	48.1806, 80.7428, 12.2493

Details

The Yxy color **23.2137, 0.5228, 0.2724** 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 **74.6540, 0.2583, 0.4435**, and the grayscale version is **14.0679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2124, 0.4218, 0.2722**, and **11.4580, 0.5620, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **22.1365, 0.5521, 0.2818**, and if you desaturate by 10%, it is **25.3244, 0.4905, 0.2678**.

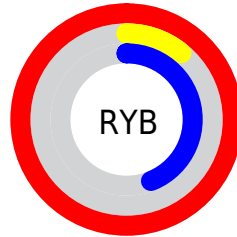
Distribution



Red (100%)

Green (11%)

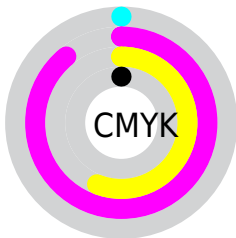
Blue (44%)



Red (100%)

Yellow (11%)

Blue (44%)

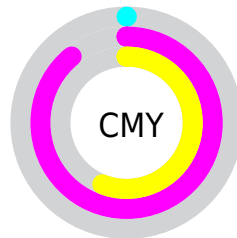


Cyan (0%)

Magenta (89%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2137, 0.5228, 0.2724 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 23.2137, 0.5228, 0.2724 by changing the saturation by 10% instead.


 23.2137, 0.5228,
0.2724


 23.2137, 0.5228,
0.2724


268.8207, 0.4068,
0.3074


 14.7514, 0.5546,
0.2613


 48.7440, 0.4784,
0.2868


 8.6451, 0.5965,
0.2457


 66.5807, 0.4623,
0.2917


 4.5104, 0.6532,
0.2228

 88.3111, 0.4490,
0.2957

 1.9630, 0.7318,
0.1875

 114.3194, 0.4379,
0.2989

 0.5858, 0.8702,
0.1298

 144.9902, 0.4284,
0.3016

 0.0000, 1.0000,
0.0000

180.7077, 0.4202,

 0.0000, 0.0000,

0.3038

0.0000

221.8564, 0.4131,
0.3057

■ 23.2137, 0.5228,
0.2724

■ 23.2137, 0.5228,
0.2724

■ 22.1365, 0.5521,
0.2818

■ 25.3244, 0.4905,
0.2678


■ 22.0838, 0.5538,
0.2825

■ 28.7317, 0.4576,
0.2683

■ 33.6123, 0.4265,
0.2731

■ 40.1140, 0.3985,
0.2808

■ 48.3665, 0.3744,
0.2902

 58.4862, 0.3541,
0.3003

 70.5793, 0.3372,
0.3105

 84.7441, 0.3234,
0.3203

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



23.2137, 0.3815, 0.2046



23.2137, 0.5228, 0.2724



23.2137, 0.5809, 0.3490

Triad

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



23.2137, 0.5228, 0.2724



23.2137, 0.3239, 0.6007



23.2137, 0.1109, 0.1557

Complementary

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



23.2137, 0.5228, 0.2724



74.6540, 0.2583, 0.4435

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.



23.2137, 0.1022, 0.2144



23.2137, 0.5228, 0.2724



23.2137, 0.2099, 0.5273

Square

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



23.2137, 0.5228, 0.2724



23.2137, 0.4414, 0.5356



23.2137, 0.1310, 0.3457



23.2137, 0.1541, 0.1415

Rectangle

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



23.2137, 0.5228, 0.2724



23.2137, 0.5620, 0.4054



23.2137, 0.1310, 0.3457



23.2137, 0.1044, 0.1691

Sweetspot

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



23.2151, 0.5228, 0.2724



61.1841, 0.3498, 0.3027



16.2911, 0.2352, 0.1110



12.2757, 0.3560, 0.2992



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.



23.2151, 0.5228, 0.2724



22.0858, 0.5538, 0.2825



23.9458, 0.6097, 0.3416



18.0990, 0.3235, 0.3202



11.5667, 0.5495, 0.2801



1.1465, 0.5185, 0.2630

Inverse Universe

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



23.2151, 0.5228, 0.2724



22.0858, 0.5538, 0.2825



63.1613, 0.2168, 0.2953



18.0990, 0.3235, 0.3202



11.5667, 0.5495, 0.2801



1.1465, 0.5185, 0.2630

Previews

White Background



This preview shows how the Yxy color 23.2137, 0.5228, 0.2724 looks on a white background.

Color Contrast Check

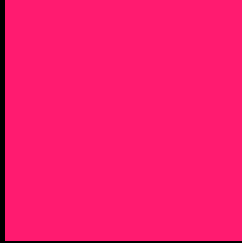
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2137, 0.5228, 0.2724 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 23.2137, 0.5228, 0.2724

Background



This preview shows how black text looks on a background with the Yxy color 23.2137, 0.5228, 0.2724.



This preview shows how white text looks on a background with the Yxy color 23.2137, 0.5228, 0.2724.

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

23.2137, 0.5228, 0.2724

Protanopia

23.5526, 0.2797, 0.2822

Deuteranopia

23.4656, 0.3774, 0.3717



Tritanopia

23.2069, 0.5950, 0.3298

Trichromacy



Original Color

23.2137, 0.5228, 0.2724



Protanomaly

18.9872, 0.3586, 0.2578



Deuteranomaly

19.7292, 0.4403, 0.3094



Tritanomaly

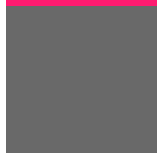
23.0196, 0.5744, 0.3108

Monochromacy



Original Color

23.2137, 0.5228, 0.2724



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.8640, 0.4009, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2137, 0.5228, 0.2724 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, 27, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 27, 112)  
}
```

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, 27, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 112) }
```

Border

The CSS property to change the border of an element to Yxy 23.2137, 0.5228, 0.2724 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, 27, 112) }
```

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

```
.border{ border-color:rgb(255, 27, 112) }
```

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

Here you see how a box with a 4 pixel rgb(255, 27, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 27,  
112) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.2137, 0.5228, 0.2724$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 112) }
```

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

```
.background{ background-color: rgb(255, 27,  
112) }
```

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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