

Converting Colors

$Y_{xy}(23.5640, 0.5182, 0.2724)$

Have a look what the booklet for
Yxy(23.5640, 0.5182, 0.2724)
contains.

Yxy(23.5626, 0.5182, 0.2724)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5626, 0.5182, 0.2724)

Conversions

Conversions Part 1

Format	Color
Hex	FF2172
RGB	255, 33, 114
RGB Percent	100%, 13%, 45%
CMY	0.0000, 0.8706, 0.5528
CMYK	0.00, 0.87, 0.55, 0.00
HSL	338°, 100%, 56%
HSV	338°, 87%, 100%
XYZ	44.8243, 23.5626, 18.1131
YIQ	108.6120, 106.3110, 72.2550

Conversions

Conversions Part 2

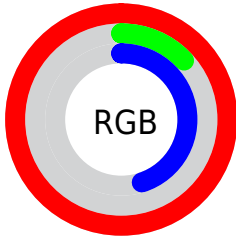
Format	Color
R_{YB}	255, 33, 114
Decimal	16720242
CIE _{Lab}	55.65, 80.37, 13.53
CIE _{LCh}	56, 81.498, 9.559
Yxy	23.5626, 0.5182, 0.2724
Android (android.graphics.Color)	4294910322 (0xFFFF2172)
YUV	108.6120, 2.6563, 128.3823
Hunter-Lab	48.5413, 79.8842, 11.8550

Details

The Yxy color **23.5626, 0.5182, 0.2724** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **74.8978, 0.2573, 0.4378**, and the grayscale version is **15.1462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7017, 0.4185, 0.2720**, and **11.4816, 0.5580, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **22.3013, 0.5485, 0.2811**, and if you desaturate by 10%, it is **25.9535, 0.4851, 0.2689**.

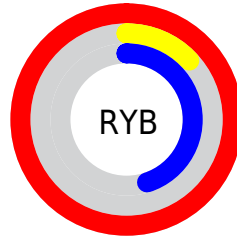
Distribution



Red (100%)

Green (13%)

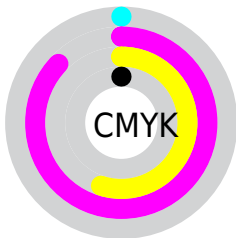
Blue (45%)



Red (100%)

Yellow (13%)

Blue (45%)

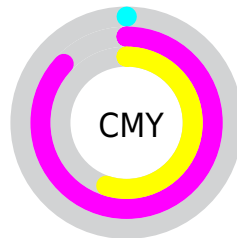


Cyan (0%)

Magenta (87%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (87%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5626, 0.5182, 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 23.5626, 0.5182, 0.2724 by changing the saturation by 10% instead.


 23.5626, 0.5182,
0.2724


 23.5626, 0.5182,
0.2724


270.6016, 0.4050,
0.3071


 15.0095, 0.5492,
0.2615


 49.3155, 0.4748,
0.2866

 8.8260, 0.5902,
0.2463


 67.2840, 0.4592,
0.2915


 4.6279, 0.6458,
0.2239

 89.1598, 0.4462,
0.2954

 2.0306, 0.7228,
0.1895

 115.3273, 0.4353,
0.2986

 0.6252, 0.8643,
0.1357

 146.1708, 0.4260,
0.3012

 0.0000, 1.0000,
0.0000

182.0748, 0.4180,

 0.0000, 0.0000,

0.3035

0.0000

223.4236, 0.4111,
0.3054

■ 23.5626, 0.5182,
0.2724

■ 23.5626, 0.5182,
0.2724

■ 22.3013, 0.5485,
0.2811

■ 25.9535, 0.4851,
0.2689

■ 22.0517, 0.5568,
0.2841


■ 29.6874, 0.4520,
0.2704

■ 34.9325, 0.4211,
0.2758

■ 41.8319, 0.3936,
0.2838

■ 50.5118, 0.3700,
0.2932

 61.0862, 0.3503,
0.3032

 73.6595, 0.3340,
0.3131

 88.3284, 0.3206,
0.3226

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.



23.5626, 0.3785, 0.2052



23.5626, 0.5182, 0.2724



23.5626, 0.5774, 0.3486

Triad

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



23.5626, 0.5182, 0.2724



23.5626, 0.3264, 0.5965



23.5626, 0.1124, 0.1581

Complementary

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



23.5626, 0.5182, 0.2724



74.8978, 0.2573, 0.4378

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.



23.5626, 0.1044, 0.2174



23.5626, 0.5182, 0.2724



23.5626, 0.2132, 0.5259

Square

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



23.5626, 0.5182, 0.2724



23.5626, 0.4426, 0.5327



23.5626, 0.1340, 0.3482



23.5626, 0.1549, 0.1433

Rectangle

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



23.5626, 0.5182, 0.2724



23.5626, 0.5602, 0.4045



23.5626, 0.1340, 0.3482



23.5626, 0.1061, 0.1718

Sweetspot

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



23.5627, 0.5182, 0.2724



62.3253, 0.3484, 0.3043



17.2596, 0.2409, 0.1156



12.4932, 0.3547, 0.3008



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.



23.5627, 0.5182, 0.2724



22.0517, 0.5568, 0.2841



24.8798, 0.6001, 0.3450



18.0967, 0.3237, 0.3204



11.5486, 0.5525, 0.2817



1.1446, 0.5213, 0.2645

Inverse Universe

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



23.5627, 0.5182, 0.2724



22.0517, 0.5568, 0.2841



61.6095, 0.2162, 0.2914



18.0967, 0.3237, 0.3204



11.5486, 0.5525, 0.2817



1.1446, 0.5213, 0.2645

Previews

White Background



This preview shows how the Yxy color 23.5626, 0.5182, 0.2724 looks on a white background.

Color Contrast Check

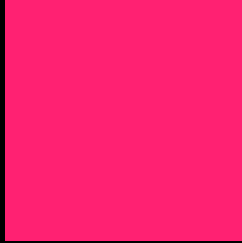
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5626, 0.5182, 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 23.5626, 0.5182, 0.2724

Background



This preview shows how black text looks on a background with the Yxy color 23.5626, 0.5182, 0.2724.



This preview shows how white text looks on a background with the Yxy color 23.5626, 0.5182, 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

23.5626, 0.5182, 0.2724

Protanopia

23.9729, 0.2790, 0.2809

Deuteranopia

23.6059, 0.3763, 0.3682



Tritanopia

23.5080, 0.5894, 0.3292

Trichromacy



Original Color

23.5626, 0.5182, 0.2724



Protanomaly

19.5924, 0.3551, 0.2592



Deuteranomaly

20.2489, 0.4372, 0.3094



Tritanomaly

23.3584, 0.5687, 0.3105

Monochromacy



Original Color

23.5626, 0.5182, 0.2724



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.7139, 0.3967, 0.2818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5626, 0.5182, 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, 33, 114)` looks like.

```
.text, #text, p{  
  color:rgb(255, 33, 114)  
}
```

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, 33, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 114) }
```

Border

The CSS property to change the border of an element to Yxy 23.5626, 0.5182, 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, 33, 114) }
```

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

```
.border{ border-color:rgb(255, 33, 114) }
```

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

Here you see how a box with a 4 pixel rgb(255, 33, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5626, 0.5182, 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, 33, 114) }
```

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

```
.background{ background-color: rgb(255, 33,  
114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor