

Converting Colors

$Y_{xy}(23.2591, 0.5370, 0.2828)$

Have a look what the booklet for
Yxy(23.2591, 0.5370, 0.2828)
contains.

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Color

Yxy(23.2523, 0.5376, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	FF2066
RGB	255, 32, 102
RGB Percent	100%, 13%, 40%
CMY	0.0000, 0.8745, 0.6001
CMYK	0.00, 0.87, 0.60, 0.00
HSL	341°, 100%, 56%
HSV	341°, 87%, 100%
XYZ	44.1556, 23.2523, 14.7267
YIQ	106.6570, 110.4380, 69.0460

Conversions

Conversions Part 2

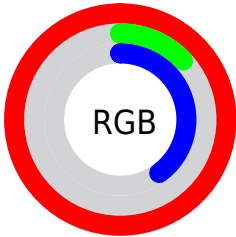
Format	Color
RYB	255, 32, 102
Decimal	16719974
CIELab	55.33, 79.78, 20.32
CIElCh	55, 82.330, 14.291
Yxy	23.2523, 0.5376, 0.2831
Android (android.graphics.Color)	4294910054 (0xFFFF2066)
YUV	106.6570, -2.2959, 130.0968
Hunter-Lab	48.2206, 79.0660, 15.6471

Details

The Yxy color **23.2523, 0.5376, 0.2831** 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 **75.3314, 0.2527, 0.4220**, and the grayscale version is **14.5884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0753, 0.4344, 0.2833**, and **11.2327, 0.5786, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **22.0491, 0.5689, 0.2922**, and if you desaturate by 10%, it is **25.5809, 0.5021, 0.2787**.

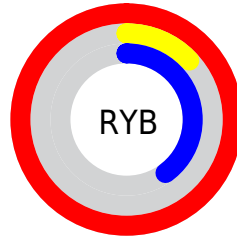
Distribution



Red (100%)

Green (13%)

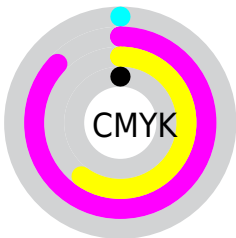
Blue (40%)



Red (100%)

Yellow (13%)

Blue (40%)

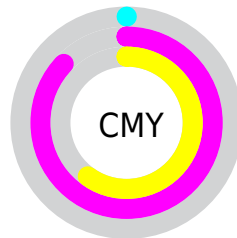


Cyan (0%)

Magenta (87%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2523, 0.5376, 0.2831 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 23.2523, 0.5376, 0.2831 by changing the saturation by 10% instead.


 23.2523, 0.5376,
0.2831


 23.2523, 0.5376,
0.2831


269.0182, 0.4135,
0.3141


 14.7799, 0.5712,
0.2724


 48.8073, 0.4902,
0.2965


 8.6651, 0.6151,
0.2570


 66.6586, 0.4731,
0.3009


 4.5234, 0.6736,
0.2335

 88.4051, 0.4588,
0.3043

 1.9704, 0.7587,
0.1983

 114.4312, 0.4469,
0.3071

 0.5902, 0.8671,
0.1329

 145.1211, 0.4367,
0.3093

 0.0000, 1.0000,
0.0000

180.8593, 0.4279,

 0.0000, 0.0000,

0.3112

0.0000

222.0302, 0.4202,
0.3128

■ 23.2523, 0.5376,
0.2831

■ 23.2523, 0.5376,
0.2831

■ 22.0491, 0.5689,
0.2922

■ 25.5809, 0.5021,
0.2787

■ 21.8394, 0.5762,
0.2948

■ 29.2544, 0.4660,
0.2791

■ 34.4432, 0.4319,
0.2832

■ 41.2920, 0.4015,
0.2898

■ 49.9286, 0.3756,
0.2979

60.4679, 0.3540,
0.3064

73.0154, 0.3362,
0.3150

87.6686, 0.3217,
0.3232

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.



23.2523, 0.4036, 0.2134



23.2523, 0.5376, 0.2831



23.2523, 0.5801, 0.3606

Triad

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



23.2523, 0.5376, 0.2831



23.2523, 0.3068, 0.6007



23.2523, 0.1149, 0.1515

Complementary

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



23.2523, 0.5376, 0.2831



75.3314, 0.2527, 0.4220

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.



23.2523, 0.1016, 0.2023



23.2523, 0.5376, 0.2831



23.2523, 0.1957, 0.5035

Square

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



23.2523, 0.5376, 0.2831



23.2523, 0.4251, 0.5490



23.2523, 0.1242, 0.3217



23.2523, 0.1638, 0.1422

Rectangle

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



23.2523, 0.5376, 0.2831



23.2523, 0.5531, 0.4185



23.2523, 0.1242, 0.3217



23.2523, 0.1068, 0.1628

Sweetspot

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



23.2528, 0.5376, 0.2831



62.1547, 0.3512, 0.3077



18.4922, 0.2510, 0.1208



12.4533, 0.3580, 0.3047



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.



23.2528, 0.5376, 0.2831



21.8394, 0.5762, 0.2948



26.1157, 0.5922, 0.3525



18.0810, 0.3245, 0.3216



11.4352, 0.5719, 0.2924



1.1321, 0.5399, 0.2748

Inverse Universe

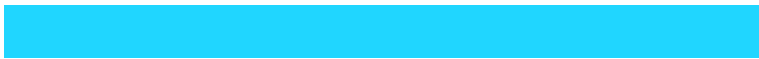
The Inverse Universe completely reimagines the original color for something new.



23.2528, 0.5376, 0.2831



21.8394, 0.5762, 0.2948



55.6809, 0.2120, 0.2763



18.0810, 0.3245, 0.3216



11.4352, 0.5719, 0.2924



1.1321, 0.5399, 0.2748

Previews

White Background



This preview shows how the Yxy color 23.2523, 0.5376, 0.2831 looks on a white background.

Color Contrast Check

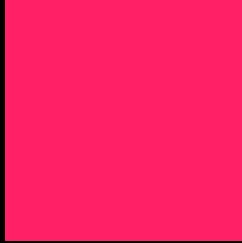
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2523, 0.5376, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

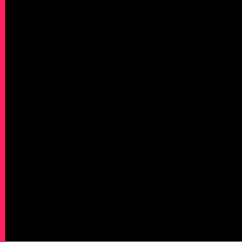
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2523, 0.5376, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 23.2523, 0.5376, 0.2831.



This preview shows how white text looks on a background with the Yxy color 23.2523, 0.5376, 0.2831.

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

23.2523, 0.5376, 0.2831

Protanopia

23.4524, 0.2993, 0.3068

Deuteranopia

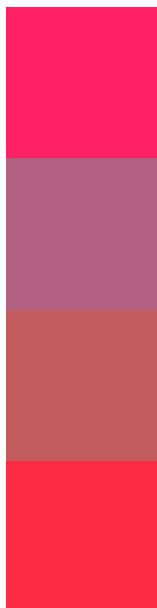
23.3050, 0.3948, 0.3870



Tritanopia

23.3010, 0.5968, 0.3298

Trichromacy



Original Color

23.2523, 0.5376, 0.2831

Protanomaly

19.2978, 0.3826, 0.2810

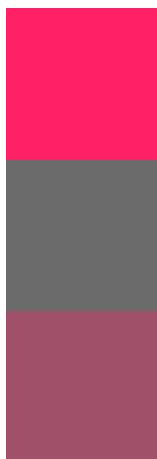
Deuteranomaly

19.9498, 0.4592, 0.3255

Tritanomaly

23.2159, 0.5805, 0.3150

Monochromacy



Original Color

23.2523, 0.5376, 0.2831

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.3343, 0.4062, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2523, 0.5376, 0.2831 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, 32, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 32, 102)  
}
```

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, 32, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 32, 102) }
```

Border

The CSS property to change the border of an element to Yxy 23.2523, 0.5376, 0.2831 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, 32, 102) }
```

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

```
.border{ border-color:rgb(255, 32, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 32, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 32, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 32, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 32,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2523, 0.5376, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 32, 102) }
```

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

```
.background{ background-color: rgb(255, 32,  
102) }
```

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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