

Converting Colors

$Y_{xy}(23.7289, 0.5265, 0.2799)$

Have a look what the booklet for
Yxy(23.7289, 0.5265, 0.2799)
contains.

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Color

Yxy(23.7289, 0.5265, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	FF266C
RGB	255, 38, 108
RGB Percent	100%, 15%, 42%
CMY	0.0001, 0.8507, 0.5765
CMYK	0.00, 0.85, 0.58, 0.00
HSL	341°, 100%, 57%
HSV	341°, 85%, 100%
XYZ	44.6347, 23.7289, 16.4127
YIQ	110.8630, 106.8620, 67.7740

Conversions

Conversions Part 2

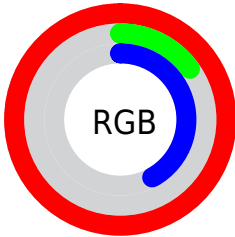
Format	Color
R_{YB}	255, 38, 108
Decimal	16721516
CIE _{Lab}	55.82, 79.09, 17.38
CIE _{LCh}	56, 80.979, 12.393
Yxy	23.7289, 0.5265, 0.2799
Android (android.graphics.Color)	4294911596 (0xFFFF266C)
YUV	110.8630, -1.4115, 126.4081
Hunter-Lab	48.7123, 78.3117, 14.1220

Details

The Yxy color **23.7289, 0.5265, 0.2799** 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 **75.4277, 0.2534, 0.4217**, and the grayscale version is **15.8472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9151, 0.4255, 0.2799**, and **11.4133, 0.5699, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **22.2842, 0.5589, 0.2880**, and if you desaturate by 10%, it is **26.3633, 0.4910, 0.2768**.

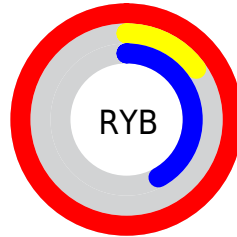
Distribution



Red (100%)

Green (15%)

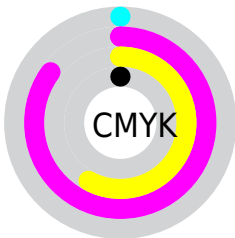
Blue (42%)



Red (100%)

Yellow (15%)

Blue (42%)

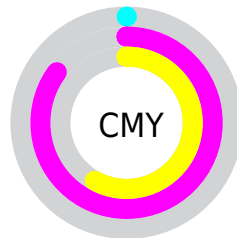


Cyan (0%)

Magenta (85%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7289, 0.5265, 0.2799 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 23.7289, 0.5265, 0.2799 by changing the saturation by 10% instead.


 23.7289, 0.5265,
0.2799


 23.7289, 0.5265,
0.2799


271.4470, 0.4087,
0.3116


 15.1326, 0.5586,
0.2694


 49.5874, 0.4815,
0.2933


 8.9125, 0.6007,
0.2545


 67.6185, 0.4652,
0.2977


 4.6842, 0.6573,
0.2322

 89.5633, 0.4517,
0.3013

 2.0632, 0.7362,
0.1976

 115.8062, 0.4403,
0.3041

 0.6438, 0.8597,
0.1403

 146.7317, 0.4307,
0.3065

 0.0000, 1.0000,
0.0000

182.7240, 0.4223,

 0.0000, 0.0000,

0.3085

0.0000

224.1677, 0.4151,
0.3101

■ 23.7289, 0.5265,
0.2799

■ 23.7289, 0.5265,
0.2799

■ 22.2842, 0.5589,
0.2880

■ 26.3633, 0.4910,
0.2768


■ 21.8686, 0.5731,
0.2931


■ 30.3833, 0.4556,
0.2783


■ 35.9529, 0.4228,
0.2833

■ 43.2121, 0.3939,
0.2906

■ 52.2850, 0.3694,
0.2991

 63.2841, 0.3490,
0.3079

 76.3126, 0.3323,
0.3167

 91.4663, 0.3186,
0.3250

99.9966, 0.3127,
0.3290

Harmonies

Analogous

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



23.7289, 0.3923, 0.2117



23.7289, 0.5265, 0.2799



23.7289, 0.5757, 0.3565

Triad

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



23.7289, 0.5265, 0.2799



23.7289, 0.3158, 0.5947



23.7289, 0.1160, 0.1562

Complementary

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



23.7289, 0.5265, 0.2799



75.4277, 0.2534, 0.4217

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.



23.7289, 0.1049, 0.2102



23.7289, 0.5265, 0.2799



23.7289, 0.2047, 0.5091

Square

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



23.7289, 0.5265, 0.2799



23.7289, 0.4319, 0.5404



23.7289, 0.1304, 0.3326



23.7289, 0.1620, 0.1447

Rectangle

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



23.7289, 0.5265, 0.2799



23.7289, 0.5535, 0.4131



23.7289, 0.1304, 0.3326



23.7289, 0.1087, 0.1685

Sweetspot

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



23.7303, 0.5265, 0.2799



62.1829, 0.3507, 0.3071



18.6382, 0.2496, 0.1218



12.4599, 0.3575, 0.3040



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.



23.7303, 0.5265, 0.2799



21.8722, 0.5731, 0.2931



26.3251, 0.5875, 0.3511



18.0836, 0.3243, 0.3214



11.4527, 0.5688, 0.2907



1.1341, 0.5369, 0.2731

Inverse Universe

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



23.7303, 0.5265, 0.2799



21.8722, 0.5731, 0.2931



58.2074, 0.2144, 0.2828



18.0836, 0.3243, 0.3214



11.4527, 0.5688, 0.2907



1.1341, 0.5369, 0.2731

Previews

White Background



This preview shows how the Yxy color 23.7289, 0.5265, 0.2799 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 23.7289, 0.5265, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

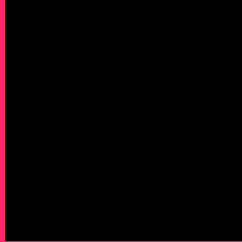
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7289, 0.5265, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 23.7289, 0.5265, 0.2799.

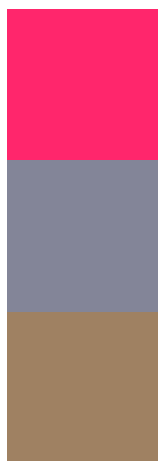


This preview shows how white text looks on a background with the Yxy color 23.7289, 0.5265, 0.2799.

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

23.7289, 0.5265, 0.2799

Protanopia

23.8674, 0.2914, 0.2970

Deuteranopia

23.9533, 0.3853, 0.3790



Tritanopia

23.7968, 0.5882, 0.3292

Trichromacy



Original Color

23.7289, 0.5265, 0.2799



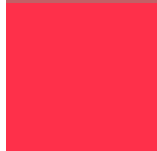
Protanomaly

19.7430, 0.3703, 0.2736



Deuteranomaly

20.7944, 0.4457, 0.3215



Tritanomaly

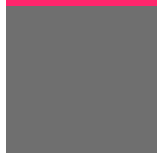
23.6791, 0.5708, 0.3131

Monochromacy



Original Color

23.7289, 0.5265, 0.2799



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

15.2530, 0.3985, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7289, 0.5265, 0.2799 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, 38, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 108)  
}
```

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, 38, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 108) }
```

Border

The CSS property to change the border of an element to Yxy 23.7289, 0.5265, 0.2799 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, 38, 108) }
```

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

```
.border{ border-color:rgb(255, 38, 108) }
```

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

Here you see how a box with a 4 pixel rgb(255, 38, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7289, 0.5265, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 108) }
```

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

```
.background{ background-color: rgb(255, 38,  
108) }
```

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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