

Converting Colors

$Y_{xy}(32.4058, 0.5905, 0.3112)$

Have a look what the booklet for
Yxy(32.4058, 0.5905, 0.3112)
contains.

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Color

Yxy(22.9541, 0.5720, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	FF224E
RGB	255, 34, 78
RGB Percent	100%, 13%, 31%
CMY	0.0000, 0.8667, 0.6941
CMYK	0.00, 0.87, 0.69, 0.00
HSL	348°, 100%, 57%
HSV	348°, 87%, 100%
XYZ	43.1900, 22.9541, 9.3629
YIQ	105.0950, 117.5920, 60.5360

Conversions

Conversions Part 2

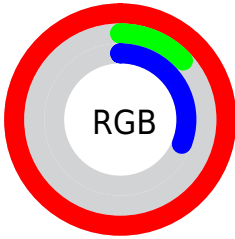
Format	Color
R_{YB}	255, 34, 78
Decimal	16720462
CIE _{Lab}	55.03, 78.26, 34.18
CIE _{LCh}	55, 85.398, 23.594
Yxy	22.9541, 0.5720, 0.3040
Android (android.graphics.Color)	4294910542 (0xFFFF224E)
YUV	105.0950, -13.3578, 131.4667
Hunter-Lab	47.9104, 77.0696, 21.9506

Details

The Yxy color **22.9541, 0.5720, 0.3040** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **76.5625, 0.2426, 0.3855**, and the grayscale version is **14.1653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5174, 0.4677, 0.3108**, and **11.0626, 0.6132, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **21.7456, 0.6033, 0.3117**, and if you desaturate by 10%, it is **25.3288, 0.5328, 0.2995**.

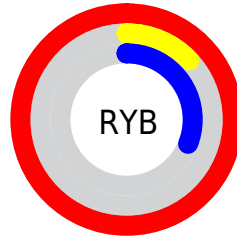
Distribution



Red (100%)

Green (13%)

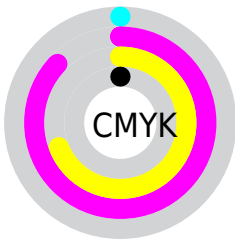
Blue (31%)



Red (100%)

Yellow (13%)

Blue (31%)

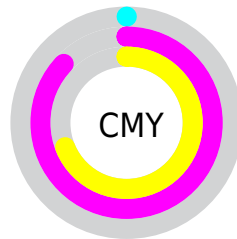


Cyan (0%)

Magenta (87%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9541, 0.5720, 0.3040 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 22.9541, 0.5720, 0.3040 by changing the saturation by 10% instead.


 22.9541, 0.5720,
0.3040


 22.9541, 0.5720,
0.3040


267.4892, 0.4303,
0.3285

 14.5596, 0.6086,
0.2931


 48.3179, 0.5188,
0.3163


 8.5109, 0.6548,
0.2764


 66.0561, 0.4992,
0.3199


 4.4236, 0.7142,
0.2503

 87.6776, 0.4829,
0.3225

 1.9132, 0.7911,
0.2089

 113.5669, 0.4690,
0.3244

 0.5563, 0.8681,
0.1319

 144.1082, 0.4572,
0.3259

 0.0000, 1.0000,
0.0000

179.6862, 0.4470,

 0.0000, 0.0000,

0.3270

0.0000

220.6850, 0.4381,
0.3279

■ 22.9541, 0.5720,
0.3040

■ 22.9541, 0.5720,
0.3040

■ 21.7456, 0.6033,
0.3117

■ 25.3288, 0.5328,
0.2995

■ 21.4971, 0.6118,
0.3144

■ 29.0843, 0.4909,
0.2986

■ 34.3907, 0.4506,
0.3006

■ 41.3938, 0.4148,
0.3046

■ 50.2226, 0.3842,
0.3096

60.9932, 0.3590,
0.3151

73.8124, 0.3385,
0.3205

88.7790, 0.3219,
0.3257

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.



22.9541, 0.4559, 0.2302



22.9541, 0.5720, 0.3040



22.9541, 0.5795, 0.3851

Triad

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



22.9541, 0.5720, 0.3040



22.9541, 0.2666, 0.6015



22.9541, 0.1209, 0.1399

Complementary

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



22.9541, 0.5720, 0.3040



76.5625, 0.2426, 0.3855

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.



22.9541, 0.0970, 0.1756



22.9541, 0.5720, 0.3040



22.9541, 0.1622, 0.4519

Square

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



22.9541, 0.5720, 0.3040



22.9541, 0.3880, 0.5822



22.9541, 0.1068, 0.2724



22.9541, 0.1839, 0.1408

Rectangle

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



22.9541, 0.5720, 0.3040



22.9541, 0.5345, 0.4479



22.9541, 0.1068, 0.2724



22.9541, 0.1092, 0.1470

Sweetspot

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



22.9538, 0.5720, 0.3040



61.7859, 0.3575, 0.3155



22.1829, 0.2768, 0.1352



12.3676, 0.3656, 0.3136



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.



22.9538, 0.5720, 0.3040



21.4971, 0.6118, 0.3144



30.5466, 0.5649, 0.3742



18.0462, 0.3263, 0.3243



11.2493, 0.6082, 0.3124



1.1099, 0.5785, 0.2960

Inverse Universe

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



22.9538, 0.5720, 0.3040



21.4971, 0.6118, 0.3144



43.8254, 0.2027, 0.2411



18.0462, 0.3263, 0.3243



11.2493, 0.6082, 0.3124



1.1099, 0.5785, 0.2960

Previews

White Background



This preview shows how the Yxy color 22.9541, 0.5720, 0.3040 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 22.9541, 0.5720, 0.3040 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 22.9541, 0.5720, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 22.9541, 0.5720, 0.3040.



This preview shows how white text looks on a background with the Yxy color 22.9541, 0.5720, 0.3040.

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

22.9541, 0.5720, 0.3040

Protanopia

23.1613, 0.3429, 0.3640

Deuteranopia

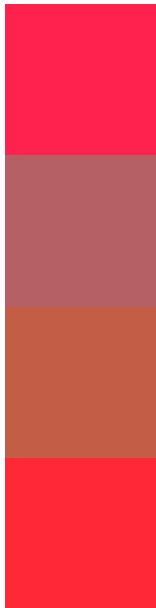
23.1016, 0.4280, 0.4199



Tritanopia

22.9658, 0.6064, 0.3303

Trichromacy



Original Color

22.9541, 0.5720, 0.3040

Protanomaly

19.1096, 0.4325, 0.3236

Deuteranomaly

20.0067, 0.4963, 0.3574

Tritanomaly

22.8642, 0.5962, 0.3221

Monochromacy



Original Color

22.9541, 0.5720, 0.3040

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.8918, 0.4233, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9541, 0.5720, 0.3040 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, 34, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 34, 78)  
}
```

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, 34, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 34, 78) }
```

Border

The CSS property to change the border of an element to Yxy 22.9541, 0.5720, 0.3040 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, 34, 78) }
```

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

```
.border{ border-color:rgb(255, 34, 78) }
```

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

Here you see how a box with a 4 pixel rgb(255, 34, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 34, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 34, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 34,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9541, 0.5720, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 34, 78) }
```

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

```
.background{ background-color: rgb(255, 34,  
78) }
```

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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