

Converting Colors

$Y_{xy}(22.8415, 0.5684, 0.3003)$

Have a look what the booklet for
Yxy(22.8415, 0.5684, 0.3003)
contains.

Yxy(22.8341, 0.5689, 0.3006)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8341, 0.5689, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	FF1F51
RGB	255, 31, 81
RGB Percent	100%, 12%, 32%
CMY	0.0000, 0.8783, 0.6824
CMYK	0.00, 0.88, 0.68, 0.00
HSL	347°, 100%, 56%
HSV	347°, 88%, 100%
XYZ	43.2146, 22.8341, 9.9130
YIQ	103.6760, 117.4540, 63.0380

Conversions

Conversions Part 2

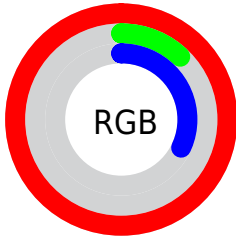
Format	Color
R_{YB}	255, 31, 81
Decimal	16719697
CIE _{Lab}	54.90, 78.87, 32.27
CIE _{LCh}	55, 85.213, 22.253
Yxy	22.8341, 0.5689, 0.3006
Android (android.graphics.Color)	4294909777 (0xFFFF1F51)
YUV	103.6760, -11.1793, 132.7111
Hunter-Lab	47.7850, 77.8035, 21.1498

Details

The Yxy color **22.8341, 0.5689, 0.3006** 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 **76.2203, 0.2446, 0.3938**, and the grayscale version is **13.7647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1798, 0.4649, 0.3059**, and **11.0807, 0.6093, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **21.7187, 0.5997, 0.3090**, and if you desaturate by 10%, it is **25.0761, 0.5307, 0.2956**.

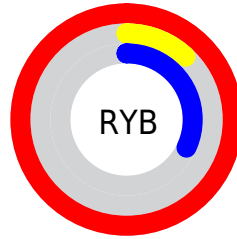
Distribution



Red (100%)

Green (12%)

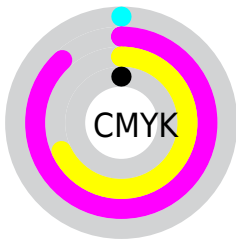
Blue (32%)



Red (100%)

Yellow (12%)

Blue (32%)

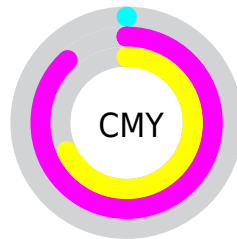


Cyan (0%)

Magenta (88%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8341, 0.5689, 0.3006 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 22.8341, 0.5689, 0.3006 by changing the saturation by 10% instead.


 22.8341, 0.5689,
0.3006


 22.8341, 0.5689,
0.3006


266.8718, 0.4285,
0.3263


 14.4711, 0.6055,
0.2897


 48.1208, 0.5160,
0.3132

 8.4490, 0.6519,
0.2730


 65.8132, 0.4966,
0.3169


 4.3836, 0.7112,
0.2468

 87.3842, 0.4804,
0.3197

 1.8904, 0.7932,
0.2068

 113.2182, 0.4667,
0.3218

 0.5426, 0.8711,
0.1289

 143.6995, 0.4551,
0.3233

 0.0000, 1.0000,
0.0000

179.2126, 0.4450,

 0.0000, 0.0000,

0.3246

0.0000

220.1419, 0.4362,
0.3256

■ 22.8341, 0.5689,
0.3006

■ 22.8341, 0.5689,
0.3006

■ 21.7187, 0.5997,
0.3090

■ 25.0761, 0.5307,
0.2956

■ 21.5538, 0.6054,
0.3109

■ 28.6709, 0.4899,
0.2945

■ 33.7934, 0.4505,
0.2967

■ 40.5912, 0.4153,
0.3010

■ 49.1941, 0.3852,
0.3066

■ 59.7194, 0.3602,
0.3127

■ 72.2741, 0.3399,
0.3188

■ 86.9576, 0.3234,
0.3247

■ 99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



22.8341, 0.4489, 0.2272



22.8341, 0.5689, 0.3006



22.8341, 0.5813, 0.3812

Triad

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



22.8341, 0.5689, 0.3006



22.8341, 0.2720, 0.6041



22.8341, 0.1192, 0.1407

Complementary

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



22.8341, 0.5689, 0.3006



76.2203, 0.2446, 0.3938

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.



22.8341, 0.0967, 0.1784



22.8341, 0.5689, 0.3006



22.8341, 0.1660, 0.4608

Square

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



22.8341, 0.5689, 0.3006



22.8341, 0.3934, 0.5785



22.8341, 0.1082, 0.2788



22.8341, 0.1801, 0.1402

Rectangle

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



22.8341, 0.5689, 0.3006



22.8341, 0.5383, 0.4434



22.8341, 0.1082, 0.2788



22.8341, 0.1080, 0.1483

Sweetspot

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



22.8355, 0.5689, 0.3006



61.8614, 0.3562, 0.3138



20.8619, 0.2688, 0.1301



12.3850, 0.3640, 0.3117



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.



22.8355, 0.5689, 0.3006



21.5542, 0.6054, 0.3109



28.8000, 0.5760, 0.3670



18.0534, 0.3259, 0.3237



11.2807, 0.6016, 0.3088



1.1139, 0.5709, 0.2919

Inverse Universe

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



22.8355, 0.5689, 0.3006



21.5542, 0.6054, 0.3109



46.6654, 0.2048, 0.2503



18.0534, 0.3259, 0.3237



11.2807, 0.6016, 0.3088



1.1139, 0.5709, 0.2919

Previews

White Background



This preview shows how the Yxy color 22.8341, 0.5689, 0.3006 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 22.8341, 0.5689, 0.3006 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 22.8341, 0.5689, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 22.8341, 0.5689, 0.3006.



This preview shows how white text looks on a background with the Yxy color 22.8341, 0.5689, 0.3006.

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

22.8341, 0.5689, 0.3006

Protanopia

22.9202, 0.3364, 0.3535

Deuteranopia

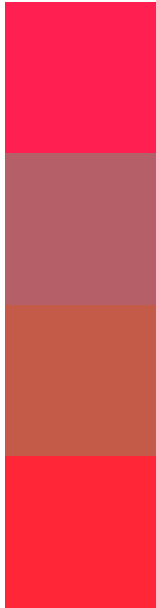
23.0328, 0.4237, 0.4164



Tritanopia

22.8800, 0.6084, 0.3308

Trichromacy



Original Color

22.8341, 0.5689, 0.3006

Protanomaly

19.0077, 0.4270, 0.3164

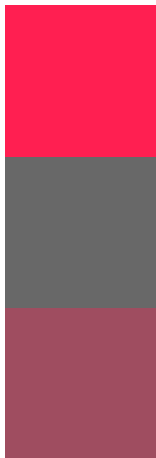
Deuteranomaly

19.6990, 0.4943, 0.3514

Tritanomaly

22.7329, 0.5971, 0.3213

Monochromacy



Original Color

22.8341, 0.5689, 0.3006

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.5232, 0.4212, 0.2988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8341, 0.5689, 0.3006 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, 31, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 81)  
}
```

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, 31, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 81) }
```

Border

The CSS property to change the border of an element to Yxy 22.8341, 0.5689, 0.3006 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, 31, 81) }
```

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

```
.border{ border-color:rgb(255, 31, 81) }
```

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

Here you see how a box with a 4 pixel rgb(255, 31, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8341, 0.5689, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 81) }
```

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

```
.background{ background-color: rgb(255, 31,  
81) }
```

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