

Converting Colors

$Yxy(22.9837, 0.5912, 0.3176)$

Have a look what the booklet for
Yxy(22.9837, 0.5912, 0.3176)
contains.

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Color

Yxy(22.9831, 0.5912, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	FF263D
RGB	255, 38, 61
RGB Percent	100%, 15%, 24%
CMY	0.0000, 0.8512, 0.7607
CMYK	0.00, 0.85, 0.76, 0.00
HSL	354°, 100%, 57%
HSV	354°, 85%, 100%
XYZ	42.7821, 22.9831, 6.5997
YIQ	105.5050, 121.9490, 53.1570

Conversions

Conversions Part 2

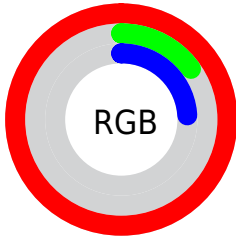
Format	Color
R_{YB}	255, 38, 61
Decimal	16721469
CIE Lab	55.05, 76.92, 43.95
CIE LCh	55, 88.585, 29.741
Yxy	22.9831, 0.5912, 0.3176
Android (android.graphics.Color)	4294911549 (0xFFFF263D)
YUV	105.5050, -21.9410, 131.1071
Hunter-Lab	47.9407, 75.3967, 25.3964

Details

The Yxy color **22.9831, 0.5912, 0.3176** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.7532, 0.2350, 0.3575**, and the grayscale version is **14.2992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3014, 0.4895, 0.3295**, and **10.8625, 0.6294, 0.3241** is the 20% darker color. If you saturate the color by 10%, you get **21.6755, 0.6206, 0.3223**, and if you desaturate by 10%, it is **25.5025, 0.5507, 0.3146**.

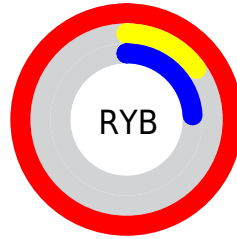
Distribution



Red (100%)

Green (15%)

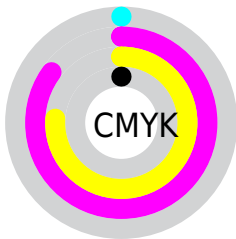
Blue (24%)



Red (100%)

Yellow (15%)

Blue (24%)

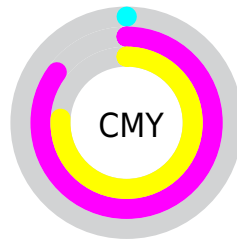


Cyan (0%)

Magenta (85%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9831, 0.5912, 0.3176 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 22.9831, 0.5912, 0.3176 by changing the saturation by 10% instead.


 22.9831, 0.5912,
0.3176


 22.9831, 0.5912,
0.3176


267.6382, 0.4413,
0.3387


 14.5810, 0.6280,
0.3061


 48.3656, 0.5362,
0.3298


 8.5259, 0.6727,
0.2880


 66.1148, 0.5155,
0.3330


 4.4332, 0.7373,
0.2627

 87.7485, 0.4980,
0.3351

 1.9187, 0.7877,
0.2123

 113.6510, 0.4832,
0.3365

 0.5596, 0.8650,
0.1350

 144.2069, 0.4705,
0.3375

 0.0000, 1.0000,
0.0000

 179.8005, 0.4594,

 0.0000, 0.0000,

0.3381

0.0000

220.8161, 0.4498,
0.3385

■ 22.9831, 0.5912,
0.3176

■ 22.9831, 0.5912,
0.3176

■ 21.6755, 0.6206,
0.3223

■ 25.5025, 0.5507,
0.3146

■ 21.3396, 0.6302,
0.3245

■ 29.4500, 0.5054,
0.3137

■ 34.9924, 0.4611,
0.3145

■ 42.2752, 0.4215,
0.3166

■ 51.4277, 0.3880,
0.3192

■ 62.5670, 0.3605,
0.3221

■ 75.8003, 0.3383,
0.3249

■ 91.2274, 0.3204,
0.3277

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.



22.9831, 0.4924, 0.2418



22.9831, 0.5912, 0.3176



22.9831, 0.5748, 0.4021

Triad

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



22.9831, 0.5912, 0.3176



22.9831, 0.2387, 0.5949



22.9831, 0.1259, 0.1330

Complementary

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



22.9831, 0.5912, 0.3176



77.7532, 0.2350, 0.3575

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.



22.9831, 0.0946, 0.1597



22.9831, 0.5912, 0.3176



22.9831, 0.1411, 0.4133

Square

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



22.9831, 0.5912, 0.3176



22.9831, 0.3612, 0.6048



22.9831, 0.0966, 0.2421



22.9831, 0.1997, 0.1405

Rectangle

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



22.9831, 0.5912, 0.3176



22.9831, 0.5191, 0.4698



22.9831, 0.0966, 0.2421



22.9831, 0.1116, 0.1376

Sweetspot

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



22.9804, 0.5912, 0.3176



61.5003, 0.3627, 0.3218



25.3729, 0.2956, 0.1463



12.3017, 0.3717, 0.3208



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.



22.9804, 0.5912, 0.3176



21.3396, 0.6302, 0.3245



35.1118, 0.5406, 0.3918



18.0184, 0.3278, 0.3265



11.1605, 0.6278, 0.3232



1.0965, 0.6057, 0.3110

Inverse Universe

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



22.9804, 0.5912, 0.3176



21.3396, 0.6302, 0.3245



37.0595, 0.1967, 0.2172



18.0184, 0.3278, 0.3265



11.1605, 0.6278, 0.3232



1.0965, 0.6057, 0.3110

Previews

White Background



This preview shows how the Yxy color 22.9831, 0.5912, 0.3176 looks on a white background.

Color Contrast Check

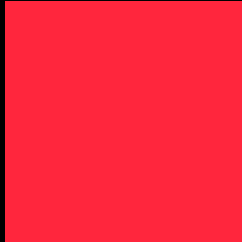
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9831, 0.5912, 0.3176 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 22.9831, 0.5912, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 22.9831, 0.5912, 0.3176.



This preview shows how white text looks on a background with the Yxy color 22.9831, 0.5912, 0.3176.

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

22.9831, 0.5912, 0.3176

Protanopia

23.0634, 0.3737, 0.4031

Deuteranopia

23.1183, 0.4479, 0.4412



Tritanopia

23.0691, 0.6087, 0.3308

Trichromacy



Original Color

22.9831, 0.5912, 0.3176

Protanomaly

19.4902, 0.4658, 0.3553

Deuteranomaly

20.2502, 0.5193, 0.3770

Tritanomaly

23.0593, 0.6027, 0.3265

Monochromacy



Original Color

22.9831, 0.5912, 0.3176

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.0797, 0.4326, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9831, 0.5912, 0.3176 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 61) }
```

Border

The CSS property to change the border of an element to Yxy 22.9831, 0.5912, 0.3176 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, 61) }
```

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

```
.border{ border-color:rgb(255, 38, 61) }
```

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, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9831, 0.5912, 0.3176 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, 61) }
```

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

```
.background{ background-color: rgb(255, 38,  
61) }
```

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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