

Converting Colors

Yxy(23.7187, 0.5890, 0.3243)

Have a look what the booklet for
Yxy(23.7187, 0.5890, 0.3243)
contains.

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Color

Yxy(23.7621, 0.5890, 0.3247)

Conversions

Conversions Part 1

Format	Color
Hex	FF313A
RGB	255, 49, 58
RGB Percent	100%, 19%, 23%
CMY	0.0000, 0.8078, 0.7726
CMYK	0.00, 0.81, 0.77, 0.00
HSL	357°, 100%, 60%
HSV	357°, 81%, 100%
XYZ	43.1040, 23.7621, 6.3156
YIQ	111.6200, 119.8870, 46.4710

Conversions

Conversions Part 2

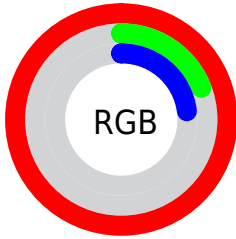
Format	Color
R _Y B	255, 49, 58
Decimal	16724282
CIE Lab	55.85, 74.45, 46.46
CIE LCh	56, 87.759, 31.964
Yxy	23.7621, 0.5890, 0.3247
Android (android.graphics.Color)	4294914362 (0xFFFF313A)
YUV	111.6200, -26.4347, 125.7443
Hunter-Lab	48.7464, 72.5326, 26.4409

Details

The Yxy color **23.7621, 0.5890, 0.3247** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **78.8279, 0.2312, 0.3397**, and the grayscale version is **16.1380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5621, 0.4889, 0.3382**, and **10.8505, 0.6323, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **22.0061, 0.6210, 0.3266**, and if you desaturate by 10%, it is **26.8397, 0.5456, 0.3236**.

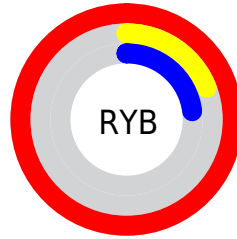
Distribution



Red (100%)

Green (19%)

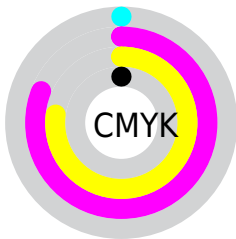
Blue (23%)



Red (100%)

Yellow (19%)

Blue (23%)

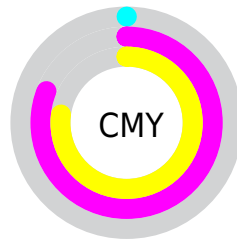


Cyan (0%)

Magenta (81%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7621, 0.5890, 0.3247 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 23.7621, 0.5890, 0.3247 by changing the saturation by 10% instead.


 23.7621, 0.5890,
0.3247


 23.7621, 0.5890,
0.3247


271.6155, 0.4414,
0.3426


 15.1572, 0.6247,
0.3139


 49.6417, 0.5352,
0.3358

 8.9298, 0.6677,
0.2965

 67.6852, 0.5148,
0.3385

 4.6954, 0.7283,
0.2717

 89.6438, 0.4976,
0.3403

 2.0697, 0.7771,
0.2229

 115.9017, 0.4830,
0.3414

 0.6475, 0.8492,
0.1508

 146.8435, 0.4704,
0.3421

 0.0000, 1.0000,
0.0000

 182.8534, 0.4594,

 0.0000, 0.0000,

0.3424

0.0000

224.3160, 0.4498,
0.3426

■ 23.7621, 0.5890,
0.3247

■ 23.7621, 0.5890,
0.3247

■ 22.0061, 0.6210,
0.3266

■ 26.8397, 0.5456,
0.3236

■ 21.2844, 0.6370,
0.3283

■ 31.4312, 0.4982,
0.3233

■ 37.6973, 0.4529,
0.3237

■ 45.7784, 0.4131,
0.3245

■ 55.8000, 0.3798,
0.3256

67.8766, 0.3528,
0.3267

82.1135, 0.3312,
0.3279

98.6092, 0.3139,
0.3289

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.



23.7621, 0.4996, 0.2488



23.7621, 0.5890, 0.3247



23.7621, 0.5668, 0.4098

Triad

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



23.7621, 0.5890, 0.3247



23.7621, 0.2325, 0.5801



23.7621, 0.1322, 0.1351

Complementary

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



23.7621, 0.5890, 0.3247



78.8279, 0.2312, 0.3397

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.



23.7621, 0.0984, 0.1589



23.7621, 0.5890, 0.3247



23.7621, 0.1389, 0.3968

Square

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



23.7621, 0.5890, 0.3247



23.7621, 0.3531, 0.6050



23.7621, 0.0981, 0.2354



23.7621, 0.2091, 0.1446

Rectangle

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



23.7621, 0.5890, 0.3247



23.7621, 0.5096, 0.4772



23.7621, 0.0981, 0.2354



23.7621, 0.1168, 0.1388

Sweetspot

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



23.7621, 0.5890, 0.3247



63.7615, 0.3609, 0.3264



28.7754, 0.3104, 0.1575



12.7268, 0.3705, 0.3260



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.



23.7621, 0.5890, 0.3247



21.4712, 0.6330, 0.3280



40.7389, 0.5131, 0.4065



17.9999, 0.3288, 0.3280



11.1271, 0.6357, 0.3276



1.0877, 0.6254, 0.3219

Inverse Universe

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



23.7621, 0.5890, 0.3247



21.4712, 0.6330, 0.3280



33.8198, 0.1951, 0.2043



17.9999, 0.3288, 0.3280



11.1271, 0.6357, 0.3276



1.0877, 0.6254, 0.3219

Previews

White Background



This preview shows how the Yxy color 23.7621, 0.5890, 0.3247 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 23.7621, 0.5890, 0.3247 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 23.7621, 0.5890, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 23.7621, 0.5890, 0.3247.



This preview shows how white text looks on a background with the Yxy color 23.7621, 0.5890, 0.3247.

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

23.7621, 0.5890, 0.3247

Protanopia

23.7857, 0.3826, 0.4148

Deuteranopia

23.6780, 0.4524, 0.4431



Tritanopia

23.7715, 0.5960, 0.3298

Trichromacy



Original Color

23.7621, 0.5890, 0.3247

Protanomaly

20.6340, 0.4699, 0.3682

Deuteranomaly

21.4164, 0.5179, 0.3849

Tritanomaly

23.7982, 0.5933, 0.3282

Monochromacy



Original Color

23.7621, 0.5890, 0.3247

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.8100, 0.4274, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7621, 0.5890, 0.3247 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, 49, 58)` looks like.

```
.text, #text, p{  
  color:rgb(255, 49, 58)  
}
```

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, 49, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 58) }
```

Border

The CSS property to change the border of an element to Yxy 23.7621, 0.5890, 0.3247 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, 49, 58) }
```

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

```
.border{ border-color:rgb(255, 49, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 49, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7621, 0.5890, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 58) }
```

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

```
.background{ background-color: rgb(255, 49,  
58) }
```

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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