

Converting Colors

$Y_{xy}(23.7500, 0.5519, 0.3128)$

Have a look what the booklet for
Yxy(23.7500, 0.5519, 0.3128)
contains.

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Color

Yxy(23.6936, 0.5511, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	F83B52
RGB	248, 59, 82
RGB Percent	97%, 23%, 32%
CMY	0.0275, 0.7685, 0.6784
CMYK	0.00, 0.76, 0.67, 0.03
HSL	353°, 93%, 60%
HSV	353°, 76%, 97%
XYZ	41.7975, 23.6936, 10.3527
YIQ	118.1330, 105.2610, 47.2210

Conversions

Conversions Part 2

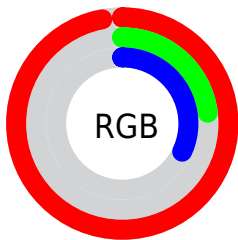
Format	Color
R_{YB}	248, 59, 82
Decimal	16268114
CIE _{Lab}	55.78, 70.83, 32.47
CIE _{LCh}	56, 77.919, 24.631
Yxy	23.6936, 0.5511, 0.3124
Android (android.graphics.Color)	4294458194 (0xFFFF83B52)
YUV	118.1330, -17.8136, 113.8934
Hunter-Lab	48.6761, 68.0925, 21.4631

Details

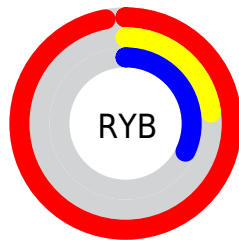
The Yxy color **23.6936, 0.5511, 0.3124** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **73.5002, 0.2385, 0.3580**, and the grayscale version is **18.1959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5734, 0.4556, 0.3193**, and **10.3303, 0.6057, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **21.4410, 0.5909, 0.3159**, and if you desaturate by 10%, it is **27.2636, 0.5064, 0.3113**.

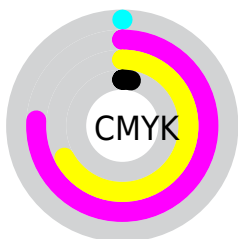
Distribution



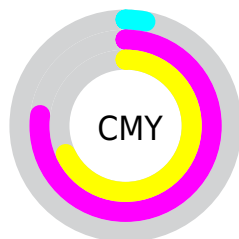
- Red (97%)
- Green (23%)
- Blue (32%)



- Red (97%)
- Yellow (23%)
- Blue (32%)



- Cyan (0%)
- Magenta (76%)
- Yellow (67%)
- Black (3%)





- Cyan (3%)
- Magenta (77%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6936, 0.5511, 0.3124 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 23.6936, 0.5511, 0.3124 by changing the saturation by 10% instead.


 23.6936, 0.5511,
0.3124


 23.6936, 0.5511,
0.3124


271.2677, 0.4205,
0.3310

 15.1065, 0.5854,
0.3036


 49.5297, 0.5018,
0.3221

 8.8942, 0.6292,
0.2896


 67.5476, 0.4837,
0.3248

 4.6722, 0.6856,
0.2667

 89.4777, 0.4687,
0.3268

 2.0562, 0.7684,
0.2316

 115.7046, 0.4560,
0.3282

 0.6398, 0.8415,
0.1585

 146.6127, 0.4451,
0.3292

 0.0000, 1.0000,
0.0000

182.5863, 0.4358,

 0.0000, 0.0000,

0.3300

0.0000

224.0099, 0.4276,
0.3305

■ 23.6936, 0.5511,
0.3124

■ 23.6936, 0.5511,
0.3124

■ 21.4410, 0.5909,
0.3159

■ 27.2636, 0.5064,
0.3113

■ 20.3030, 0.6198,
0.3213


■ 32.3074, 0.4626,
0.3122


■ 20.0503, 0.6276,
0.3231


■ 38.9636, 0.4233,
0.3144

■ 47.3540, 0.3898,
0.3174

■ 57.5886, 0.3622,
0.3207

 69.7681, 0.3399,
0.3240

 83.9862, 0.3220,
0.3272

 98.6958, 0.3084,
0.3290

Harmonies

Analogous

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



23.6936, 0.4478, 0.2408



23.6936, 0.5511, 0.3124



23.6936, 0.5595, 0.3914

Triad

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



23.6936, 0.5511, 0.3124



23.6936, 0.2715, 0.5693



23.6936, 0.1346, 0.1521

Complementary

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



23.6936, 0.5511, 0.3124



73.5002, 0.2385, 0.3580

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.



23.6936, 0.1104, 0.1863



23.6936, 0.5511, 0.3124



23.6936, 0.1733, 0.4334

Square

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



23.6936, 0.5511, 0.3124



23.6936, 0.3858, 0.5660



23.6936, 0.1202, 0.2758



23.6936, 0.1968, 0.1535

Rectangle

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



23.6936, 0.5511, 0.3124



23.6936, 0.5198, 0.4505



23.6936, 0.1202, 0.2758



23.6936, 0.1228, 0.1589

Sweetspot

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



23.6950, 0.5511, 0.3124



65.2327, 0.3546, 0.3218



25.5633, 0.2951, 0.1544



13.0173, 0.3634, 0.3206



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.



23.6950, 0.5511, 0.3124



22.1113, 0.6068, 0.3184



35.7916, 0.5159, 0.3907



17.2595, 0.3275, 0.3261



10.8421, 0.6251, 0.3217



1.0148, 0.5997, 0.3077

Inverse Universe

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



23.6950, 0.5511, 0.3124



22.1113, 0.6068, 0.3184



39.8297, 0.2056, 0.2353



17.2595, 0.3275, 0.3261



10.8421, 0.6251, 0.3217



1.0148, 0.5997, 0.3077

Previews

White Background



This preview shows how the Yxy color 23.6936, 0.5511, 0.3124 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 23.6936, 0.5511, 0.3124 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 23.6936, 0.5511, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 23.6936, 0.5511, 0.3124.



This preview shows how white text looks on a background with the Yxy color 23.6936, 0.5511, 0.3124.

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

23.6936, 0.5511, 0.3124

Protanopia

23.9487, 0.3471, 0.3686

Deuteranopia

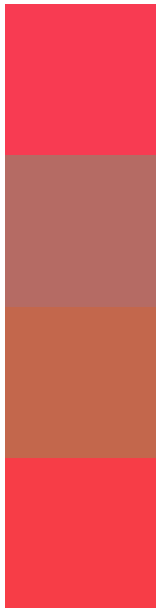
23.7987, 0.4212, 0.4143



Tritanopia

23.5896, 0.5708, 0.3284

Trichromacy



Original Color

23.6936, 0.5511, 0.3124

Protanomaly

21.2592, 0.4249, 0.3394

Deuteranomaly

21.8244, 0.4775, 0.3636

Tritanomaly

23.5666, 0.5633, 0.3225

Monochromacy



Original Color

23.6936, 0.5511, 0.3124

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.5686, 0.4026, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6936, 0.5511, 0.3124 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(248, 59, 82)` looks like.

```
.text, #text, p{  
    color:rgb(248, 59, 82)  
}
```

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(248, 59, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 59, 82) }
```

Border

The CSS property to change the border of an element to Yxy 23.6936, 0.5511, 0.3124 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(248, 59, 82) }
```

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

```
.border{ border-color:rgb(248, 59, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 59, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 59, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 59, 82);  
box-shadow:4px 4px 4px 4px rgb(248, 59,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6936, 0.5511, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 59, 82) }
```

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

```
.background{ background-color: rgb(248, 59,  
82) }
```

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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