

Converting Colors

$Yxy(23.7516, 0.5983, 0.3313)$

Have a look what the booklet for
Yxy(23.7516, 0.5983, 0.3313)
contains.

Yxy(23.7464, 0.5986, 0.3314)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7464, 0.5986, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	FF322F
RGB	255, 50, 47
RGB Percent	100%, 20%, 18%
CMY	0.0000, 0.8038, 0.8155
CMYK	0.00, 0.80, 0.82, 0.00
HSL	1°, 100%, 59%
HSV	1°, 82%, 100%
XYZ	42.8926, 23.7464, 5.0158
YIQ	110.9530, 123.1430, 42.5270

Conversions

Conversions Part 2

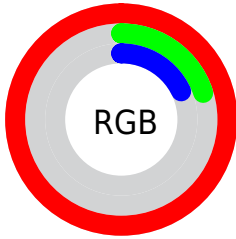
Format	Color
RYB	255, 50, 47
Decimal	16724527
CIELab	55.83, 73.89, 52.15
CIElCh	56, 90.444, 35.215
Yxy	23.7464, 0.5986, 0.3314
Android (android.graphics.Color)	4294914607 (0xFFFF322F)
YUV	110.9530, -31.5288, 126.3292
Hunter-Lab	48.7303, 71.8383, 28.0084

Details

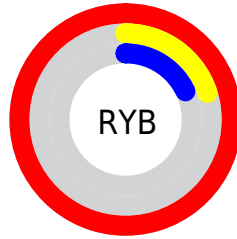
The Yxy color **23.7464, 0.5986, 0.3314** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **77.4454, 0.2269, 0.3252**, and the grayscale version is **15.9538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5770, 0.5004, 0.3492**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.0057, 0.6273, 0.3308**, and if you desaturate by 10%, it is **26.7876, 0.5566, 0.3317**.

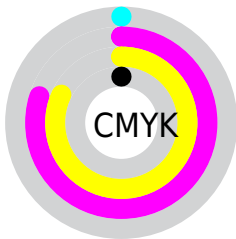
Distribution



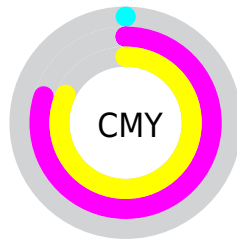
- Red (100%)
- Green (20%)
- Blue (18%)



- Red (100%)
- Yellow (20%)
- Blue (18%)



- Cyan (0%)
- Magenta (80%)
- Yellow (82%)
- Black (0%)



- Cyan (0%)
- Magenta (80%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7464, 0.5986, 0.3314 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 23.7464, 0.5986, 0.3314 by changing the saturation by 10% instead.


 23.7464, 0.5986,
0.3314


 23.7464, 0.5986,
0.3314


271.5358, 0.4478,
0.3483

 15.1456, 0.6336,
0.3199


 49.6160, 0.5446,
0.3429


 8.9216, 0.6756,
0.3016


 67.6537, 0.5238,
0.3455


 4.6901, 0.7270,
0.2730

 89.6057, 0.5061,
0.3471

 2.0666, 0.7759,
0.2241

 115.8566, 0.4910,
0.3480

 0.6457, 0.8481,
0.1519

 146.7906, 0.4779,
0.3485

 0.0000, 1.0000,
0.0000

 182.7922, 0.4666,

 0.0000, 0.0000,

0.3486

0.0000

224.2459, 0.4566,
0.3485

■ 23.7464, 0.5986,
0.3314

■ 23.7464, 0.5986,
0.3314

■ 22.0057, 0.6273,
0.3308

■ 26.7876, 0.5566,
0.3317

■ 21.3384, 0.6394,
0.3305

■ 31.3119, 0.5087,
0.3316

■ 37.4774, 0.4618,
0.3313

■ 45.4208, 0.4201,
0.3309

■ 55.2648, 0.3850,
0.3304

67.1209, 0.3564,
0.3299

81.0921, 0.3335,
0.3295

97.2744, 0.3152,
0.3291

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



23.7464, 0.5202, 0.2544



23.7464, 0.5986, 0.3314



23.7464, 0.5634, 0.4191

Triad

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



23.7464, 0.5986, 0.3314



23.7464, 0.2166, 0.5744



23.7464, 0.1346, 0.1309

Complementary

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



23.7464, 0.5986, 0.3314



77.4454, 0.2269, 0.3252

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.



23.7464, 0.0966, 0.1504



23.7464, 0.5986, 0.3314



23.7464, 0.1274, 0.3760

Square

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



23.7464, 0.5986, 0.3314



23.7464, 0.3378, 0.6181



23.7464, 0.0923, 0.2201



23.7464, 0.2182, 0.1439

Rectangle

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



23.7464, 0.5986, 0.3314



23.7464, 0.5009, 0.4903



23.7464, 0.0923, 0.2201



23.7464, 0.1177, 0.1334

Sweetspot

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



23.7479, 0.5986, 0.3314



64.0334, 0.3629, 0.3301



30.5141, 0.3205, 0.1622



12.7896, 0.3729, 0.3302



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.



23.7479, 0.5986, 0.3314



21.4600, 0.6370, 0.3305



43.6020, 0.5043, 0.4163



18.0289, 0.3294, 0.3294



11.1686, 0.6391, 0.3308



1.1015, 0.6367, 0.3327

Inverse Universe

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



77.4454, 0.2269, 0.3252



76.4994, 0.2236, 0.3244



29.9626, 0.1905, 0.1884



20.4339, 0.2980, 0.3286



39.9519, 0.2234, 0.3244



3.9038, 0.2236, 0.3249

Previews

White Background



This preview shows how the Yxy color 23.7464, 0.5986, 0.3314 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 23.7464, 0.5986, 0.3314 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 23.7464, 0.5986, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 23.7464, 0.5986, 0.3314.



This preview shows how white text looks on a background with the Yxy color 23.7464, 0.5986, 0.3314.

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

23.7464, 0.5986, 0.3314

Protanopia

23.7758, 0.3991, 0.4350

Deuteranopia

23.6929, 0.4628, 0.4541



Tritanopia

23.7630, 0.5969, 0.3304

Trichromacy



Original Color

23.7464, 0.5986, 0.3314

Protanomaly

20.6022, 0.4867, 0.3829

Deuteranomaly

21.3185, 0.5290, 0.3947

Tritanomaly

23.7546, 0.5978, 0.3309

Monochromacy



Original Color

23.7464, 0.5986, 0.3314

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.6359, 0.4326, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7464, 0.5986, 0.3314 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, 50, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 47)  
}
```

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, 50, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 47) }
```

Border

The CSS property to change the border of an element to Yxy 23.7464, 0.5986, 0.3314 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, 50, 47) }
```

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

```
.border{ border-color:rgb(255, 50, 47) }
```

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

Here you see how a box with a 4 pixel rgb(255, 50, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
47) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.7464, 0.5986, 0.3314$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 47) }
```

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

```
.background{ background-color: rgb(255, 50,  
47) }
```

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