

Converting Colors

$Y_{xy}(23.5881, 0.5829, 0.3185)$

Have a look what the booklet for
Yxy(23.5881, 0.5829, 0.3185)
contains.

Yxy(23.5956, 0.5830, 0.3187)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5956, 0.5830, 0.3187)

Conversions

Conversions Part 1

Format	Color
Hex	FF2E41
RGB	255, 46, 65
RGB Percent	100%, 18%, 25%
CMY	0.0001, 0.8193, 0.7452
CMYK	0.00, 0.82, 0.75, 0.00
HSL	355°, 100%, 59%
HSV	355°, 82%, 100%
XYZ	43.1636, 23.5956, 7.2778
YIQ	110.6570, 118.4650, 50.2170

Conversions

Conversions Part 2

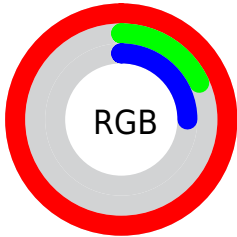
Format	Color
R _Y B	255, 46, 65
Decimal	16723521
CIE Lab	55.68, 75.35, 42.42
CIE LCh	56, 86.475, 29.377
Yxy	23.5956, 0.5830, 0.3187
Android (android.graphics.Color)	4294913601 (0xFFFF2E41)
YUV	110.6570, -22.5089, 126.5888
Hunter-Lab	48.5753, 73.6067, 25.1195

Details

The Yxy color **23.5956, 0.5830, 0.3187** 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 **78.1462, 0.2345, 0.3521**, and the grayscale version is **15.8445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4869, 0.4814, 0.3305**, and **10.8767, 0.6261, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **21.9419, 0.6158, 0.3225**, and if you desaturate by 10%, it is **26.5434, 0.5402, 0.3166**.

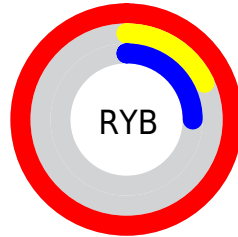
Distribution



Red (100%)

Green (18%)

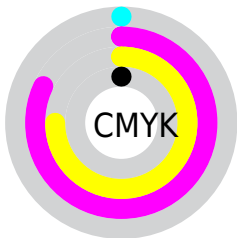
Blue (25%)



Red (100%)

Yellow (18%)

Blue (25%)

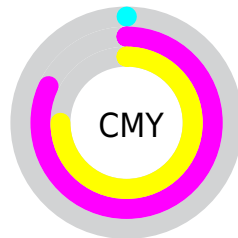


Cyan (0%)

Magenta (82%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (82%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5956, 0.5830, 0.3187 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 23.5956, 0.5830, 0.3187 by changing the saturation by 10% instead.


 23.5956, 0.5830,
0.3187


 23.5956, 0.5830,
0.3187


270.7695, 0.4374,
0.3382


 15.0339, 0.6191,
0.3081


 49.3695, 0.5294,
0.3299

 8.8432, 0.6633,
0.2911


 67.3504, 0.5093,
0.3329

 4.6390, 0.7256,
0.2669

 89.2399, 0.4923,
0.3348

 2.0371, 0.7803,
0.2197

 115.4224, 0.4780,
0.3362

 0.6289, 0.8533,
0.1467

 146.2822, 0.4656,
0.3370

 0.0000, 1.0000,
0.0000

 182.2037, 0.4549,

 0.0000, 0.0000,

0.3376

0.0000

223.5714, 0.4456,
0.3380

■ 23.5956, 0.5830,
0.3187

■ 23.5956, 0.5830,
0.3187

■ 21.9419, 0.6158,
0.3225

■ 26.5434, 0.5402,
0.3166

■ 21.3170, 0.6323,
0.3257

■ 30.9749, 0.4942,
0.3162

■ 37.0530, 0.4504,
0.3173

■ 44.9181, 0.4120,
0.3191

■ 54.6956, 0.3798,
0.3215

66.4995, 0.3536,
0.3239

80.4350, 0.3325,
0.3263

96.6001, 0.3156,
0.3286

99.9949, 0.3127,
0.3290

Harmonies

Analogous

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



23.5956, 0.4852, 0.2435



23.5956, 0.5830, 0.3187



23.5956, 0.5702, 0.4022

Triad

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



23.5956, 0.5830, 0.3187



23.5956, 0.2437, 0.5861



23.5956, 0.1292, 0.1372

Complementary

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



23.5956, 0.5830, 0.3187



78.1462, 0.2345, 0.3521

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.



23.5956, 0.0986, 0.1646



23.5956, 0.5830, 0.3187



23.5956, 0.1467, 0.4134

Square

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



23.5956, 0.5830, 0.3187



23.5956, 0.3643, 0.5970



23.5956, 0.1015, 0.2469



23.5956, 0.2015, 0.1441

Rectangle

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



23.5956, 0.5830, 0.3187



23.5956, 0.5170, 0.4677



23.5956, 0.1015, 0.2469



23.5956, 0.1151, 0.1419

Sweetspot

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



23.5971, 0.5830, 0.3187



62.6628, 0.3610, 0.3232



26.6857, 0.3000, 0.1511



12.5221, 0.3702, 0.3223



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.



23.5971, 0.5830, 0.3187



21.4532, 0.6289, 0.3251



37.3227, 0.5274, 0.3964



18.0137, 0.3280, 0.3269



11.1502, 0.6302, 0.3245



1.0943, 0.6105, 0.3137

Inverse Universe

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



23.5971, 0.5830, 0.3187



21.4532, 0.6289, 0.3251



37.0851, 0.1979, 0.2170



18.0137, 0.3280, 0.3269



11.1502, 0.6302, 0.3245



1.0943, 0.6105, 0.3137

Previews

White Background



This preview shows how the Yxy color 23.5956, 0.5830, 0.3187 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 23.5956, 0.5830, 0.3187 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 23.5956, 0.5830, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 23.5956, 0.5830, 0.3187.



This preview shows how white text looks on a background with the Yxy color 23.5956, 0.5830, 0.3187.

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

23.5956, 0.5830, 0.3187

Protanopia

23.7698, 0.3694, 0.3991

Deuteranopia

23.6422, 0.4444, 0.4352



Tritanopia

23.6784, 0.5975, 0.3298

Trichromacy



Original Color

23.5956, 0.5830, 0.3187

Protanomaly

20.3176, 0.4565, 0.3556

Deuteranomaly

21.1729, 0.5092, 0.3762

Tritanomaly

23.6497, 0.5925, 0.3260

Monochromacy



Original Color

23.5956, 0.5830, 0.3187

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.4111, 0.4240, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5956, 0.5830, 0.3187 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, 46, 65)` looks like.

```
.text, #text, p{  
  color:rgb(255, 46, 65)  
}
```

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, 46, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 65) }
```

Border

The CSS property to change the border of an element to Yxy 23.5956, 0.5830, 0.3187 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, 46, 65) }
```

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

```
.border{ border-color:rgb(255, 46, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 46, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
65) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.5956, 0.5830, 0.3187$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 65) }
```

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

```
.background{ background-color: rgb(255, 46,  
65) }
```

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