

Converting Colors

$Yxy(23.5415, 0.5970, 0.3281)$

Have a look what the booklet for
Yxy(23.5415, 0.5970, 0.3281)
contains.

Yxy(23.5320, 0.5968, 0.3277)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5320, 0.5968, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	FF2F33
RGB	255, 47, 51
RGB Percent	100%, 18%, 20%
CMY	0.0000, 0.8157, 0.7998
CMYK	0.00, 0.82, 0.80, 0.00
HSL	359°, 100%, 59%
HSV	359°, 82%, 100%
XYZ	42.8560, 23.5320, 5.4216
YIQ	109.6480, 122.6840, 45.3400

Conversions

Conversions Part 2

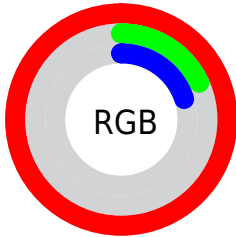
Format	Color
R_{YB}	255, 47, 51
Decimal	16723763
CIE _{Lab}	55.62, 74.72, 49.90
CIE _{LCh}	56, 89.847, 33.735
Yxy	23.5320, 0.5968, 0.3277
Android (android.graphics.Color)	4294913843 (0xFFFF2F33)
YUV	109.6480, -28.9135, 127.4737
Hunter-Lab	48.5098, 72.8036, 27.3304

Details

The Yxy color **23.5320, 0.5968, 0.3277** 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 **79.0864, 0.2292, 0.3336**, and the grayscale version is **15.5472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1955, 0.4976, 0.3437**, and **10.8298, 0.6374, 0.3285** is the 20% darker color. If you saturate the color by 10%, you get **21.8899, 0.6262, 0.3287**, and if you desaturate by 10%, it is **26.4829, 0.5545, 0.3271**.

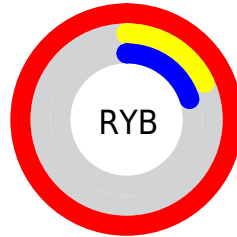
Distribution



Red (100%)

Green (18%)

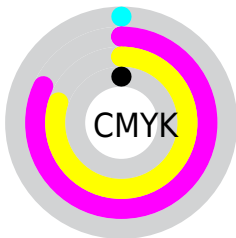
Blue (20%)



Red (100%)

Yellow (18%)

Blue (20%)

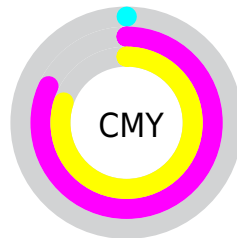


Cyan (0%)

Magenta (82%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5320, 0.5968, 0.3277 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 23.5320, 0.5968, 0.3277 by changing the saturation by 10% instead.


 23.5320, 0.5968,
0.3277


 23.5320, 0.5968,
0.3277


270.4458, 0.4461,
0.3457


 14.9868, 0.6324,
0.3163


 49.2654, 0.5424,
0.3393

 8.8101, 0.6749,
0.2979


 67.2224, 0.5216,
0.3421

 4.6175, 0.7298,
0.2702

 89.0855, 0.5040,
0.3439

 2.0247, 0.7791,
0.2209

 115.2391, 0.4889,
0.3449

 0.6217, 0.8527,
0.1473

 146.0675, 0.4759,
0.3455

 0.0000, 1.0000,
0.0000

 181.9551, 0.4647,

 0.0000, 0.0000,

0.3457

0.0000

223.2865, 0.4548,
0.3458

■ 23.5320, 0.5968,
0.3277

■ 23.5320, 0.5968,
0.3277

■ 21.8899, 0.6262,
0.3287

■ 26.4829, 0.5545,
0.3271


■ 21.2709, 0.6387,
0.3292


■ 30.9371, 0.5066,
0.3268


■ 37.0596, 0.4600,
0.3269

■ 44.9931, 0.4187,
0.3272

■ 54.8651, 0.3840,
0.3276

 66.7916, 0.3558,
0.3280

 80.8793, 0.3332,
0.3285

 97.2279, 0.3152,
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.



23.5320, 0.5127, 0.2510



23.5320, 0.5968, 0.3277



23.5320, 0.5666, 0.4145

Triad

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



23.5320, 0.5968, 0.3277



23.5320, 0.2226, 0.5804



23.5320, 0.1322, 0.1315

Complementary

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



23.5320, 0.5968, 0.3277



79.0864, 0.2292, 0.3336

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.



23.5320, 0.0961, 0.1529



23.5320, 0.5968, 0.3277



23.5320, 0.1311, 0.3860

Square

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



23.5320, 0.5968, 0.3277



23.5320, 0.3442, 0.6146



23.5320, 0.0935, 0.2258



23.5320, 0.2131, 0.1430

Rectangle

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



23.5320, 0.5968, 0.3277



23.5320, 0.5059, 0.4846



23.5320, 0.0935, 0.2258



23.5320, 0.1160, 0.1345

Sweetspot

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



23.5329, 0.5968, 0.3277



63.6944, 0.3621, 0.3279



29.2221, 0.3138, 0.1586



12.7113, 0.3720, 0.3277



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.



23.5329, 0.5968, 0.3277



21.3926, 0.6364, 0.3292



41.4328, 0.5116, 0.4097



17.9928, 0.3291, 0.3286



11.1170, 0.6381, 0.3289



1.0843, 0.6334, 0.3263

Inverse Universe

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



23.5329, 0.5968, 0.3277



21.3926, 0.6364, 0.3292



32.2563, 0.1930, 0.1980



17.9928, 0.3291, 0.3286



11.1170, 0.6381, 0.3289



1.0843, 0.6334, 0.3263

Previews

White Background



This preview shows how the Yxy color 23.5320, 0.5968, 0.3277 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 23.5320, 0.5968, 0.3277 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 23.5320, 0.5968, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 23.5320, 0.5968, 0.3277.



This preview shows how white text looks on a background with the Yxy color 23.5320, 0.5968, 0.3277.

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

23.5320, 0.5968, 0.3277

Protanopia

23.7612, 0.3920, 0.4267

Deuteranopia

23.6134, 0.4586, 0.4510



Tritanopia

23.5791, 0.5998, 0.3304

Trichromacy



Original Color

23.5320, 0.5968, 0.3277

Protanomaly

20.3352, 0.4809, 0.3764

Deuteranomaly

21.1679, 0.5259, 0.3896

Tritanomaly

23.5873, 0.5989, 0.3298

Monochromacy



Original Color

23.5320, 0.5968, 0.3277

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.3242, 0.4324, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5320, 0.5968, 0.3277 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, 47, 51)` looks like.

```
.text, #text, p{  
  color:rgb(255, 47, 51)  
}
```

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, 47, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 51) }
```

Border

The CSS property to change the border of an element to Yxy 23.5320, 0.5968, 0.3277 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, 47, 51) }
```

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

```
.border{ border-color:rgb(255, 47, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 47, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 47,  
51) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.5320, 0.5968, 0.3277$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 47, 51) }
```

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

```
.background{ background-color: rgb(255, 47,  
51) }
```

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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