

Converting Colors

$Y_{xy}(15.9877, 0.5669, 0.3281)$

Have a look what the booklet for
Yxy(15.9877, 0.5669, 0.3281)
contains.

Yxy(15.9877, 0.5669, 0.3281)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.9877, 0.5669, 0.3281)

Conversions

Conversions Part 1

Format	Color
Hex	CF3436
RGB	207, 52, 54
RGB Percent	81%, 20%, 21%
CMY	0.1883, 0.7960, 0.7883
CMYK	0.00, 0.75, 0.74, 0.19
HSL	359°, 62%, 51%
HSV	359°, 75%, 81%
XYZ	27.6240, 15.9877, 5.1165
YIQ	98.5730, 91.7380, 33.4820

Conversions

Conversions Part 2

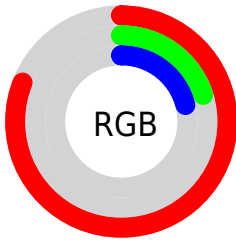
Format	Color
R_{YB}	207, 52, 54
Decimal	13579318
CIE Lab	46.96, 59.82, 36.38
CIE LCh	47, 70.016, 31.302
Yxy	15.9877, 0.5669, 0.3281
Android (android.graphics.Color)	4291769398 (0xFFCF3436)
YUV	98.5730, -21.9745, 95.0905
Hunter-Lab	39.9846, 53.3463, 20.4025

Details

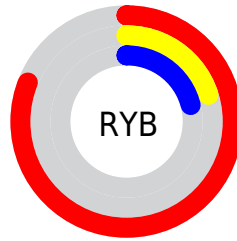
The Yxy color **15.9877, 0.5669, 0.3281** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **49.7627, 0.2316, 0.3316**, and the grayscale version is **12.4057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3514, 0.4983, 0.3380**, and **5.9535, 0.6293, 0.3241** is the 20% darker color. If you saturate the color by 10%, you get **14.3742, 0.6061, 0.3286**, and if you desaturate by 10%, it is **18.4933, 0.5202, 0.3278**.

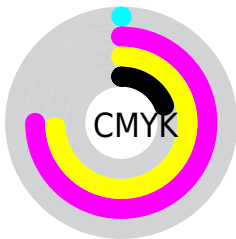
Distribution



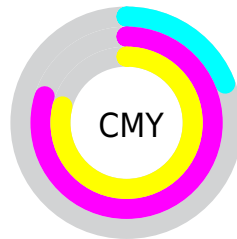
- Red (81%)
- Green (20%)
- Blue (21%)



- Red (81%)
- Yellow (20%)
- Blue (21%)



- Cyan (0%)
- Magenta (75%)
- Yellow (74%)
- Black (19%)



- Cyan (19%)
- Magenta (80%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9877, 0.5669, 0.3281 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 15.9877, 0.5669, 0.3281 by changing the saturation by 10% instead.


 15.9877, 0.5669,
0.3281


 15.9877, 0.5669,
0.3281


229.2691, 0.4208,
0.3412


 9.5154, 0.6070,
0.3177


 36.5769, 0.5102,
0.3375


 5.0789, 0.6590,
0.2994


 51.4625, 0.4898,
0.3395


 2.2936, 0.7318,
0.2682

 69.9215, 0.4731,
0.3406

 0.7703, 0.7980,
0.2020

 92.3381, 0.4591,
0.3412

 0.0000, 1.0000,
0.0000

 119.0968, 0.4473,
0.3414

 0.0000, 0.0000,
0.0000

 150.5819, 0.4372,

0.3415

187.1779, 0.4284,
0.3414

■ 15.9877, 0.5669,
0.3281

■ 15.9877, 0.5669,
0.3281

■ 14.3742, 0.6061,
0.3286

■ 18.4933, 0.5202,
0.3278

■ 13.5245, 0.6311,
0.3293

■ 21.9912, 0.4731,
0.3278

■ 13.2700, 0.6389,
0.3293

■ 26.5713, 0.4303,
0.3279

■ 32.3127, 0.3939,
0.3281

■ 39.2871, 0.3640,
0.3283

■ 47.5605, 0.3399,
0.3286

■ 57.1940, 0.3206,
0.3289

■ 68.2452, 0.3052,
0.3291

■ 80.7679, 0.2929,
0.3294

Harmonies

Analogous

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



15.9877, 0.4810, 0.2542



15.9877, 0.5669, 0.3281



15.9877, 0.5533, 0.4101

Triad

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



15.9877, 0.5669, 0.3281



15.9877, 0.2448, 0.5561



15.9877, 0.1420, 0.1468

Complementary

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



15.9877, 0.5669, 0.3281



49.7627, 0.2316, 0.3316

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.



15.9877, 0.1098, 0.1719



15.9877, 0.5669, 0.3281



15.9877, 0.1538, 0.3959

Square

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



15.9877, 0.5669, 0.3281



15.9877, 0.3597, 0.5829



15.9877, 0.1114, 0.2474



15.9877, 0.2149, 0.1550

Rectangle

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



15.9877, 0.5669, 0.3281



15.9877, 0.5035, 0.4723



15.9877, 0.1114, 0.2474



15.9877, 0.1273, 0.1509

Sweetspot

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



15.9887, 0.5669, 0.3281



66.2125, 0.3572, 0.3284



19.8582, 0.3172, 0.1679



13.4403, 0.3644, 0.3283



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.



15.9887, 0.5669, 0.3281



22.0625, 0.6236, 0.3290



28.6722, 0.4875, 0.4120



11.8106, 0.3289, 0.3288



8.3624, 0.6386, 0.3292



0.4684, 0.6337, 0.3265

Inverse Universe

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



15.9887, 0.5669, 0.3281



22.0625, 0.6236, 0.3290



21.7628, 0.1998, 0.2076



11.8106, 0.3289, 0.3288



8.3624, 0.6386, 0.3292



0.4684, 0.6337, 0.3265

Previews

White Background



This preview shows how the Yxy color 15.9877, 0.5669, 0.3281 looks on a white 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

Black Background



This preview shows how the Yxy color 15.9877, 0.5669, 0.3281 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.9877, 0.5669, 0.3281

Background



This preview shows how black text looks on a background with the Yxy color 15.9877, 0.5669, 0.3281.



This preview shows how white text looks on a background with the Yxy color 15.9877, 0.5669, 0.3281.

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

15.9877, 0.5669, 0.3281

Protanopia

16.2203, 0.3755, 0.4046

Deuteranopia

16.2727, 0.4413, 0.4345



Tritanopia

15.9877, 0.5669, 0.3281

Trichromacy



Original Color

15.9877, 0.5669, 0.3281

Protanomaly

14.4899, 0.4512, 0.3672

Deuteranomaly

14.9223, 0.4957, 0.3842

Tritanomaly

15.9877, 0.5669, 0.3281

Monochromacy



Original Color

15.9877, 0.5669, 0.3281

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.0624, 0.4088, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9877, 0.5669, 0.3281 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(207, 52, 54)` looks like.

```
.text, #text, p{  
    color:rgb(207, 52, 54)  
}
```

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(207, 52, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 52, 54) }
```

Border

The CSS property to change the border of an element to Yxy 15.9877, 0.5669, 0.3281 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(207, 52, 54) }
```

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

```
.border{ border-color:rgb(207, 52, 54) }
```

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

Here you see how a box with a 4 pixel rgb(207, 52, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 52, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 52, 54);  
box-shadow:4px 4px 4px 4px rgb(207, 52,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9877, 0.5669, 0.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 52, 54) }
```

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

```
.background{ background-color: rgb(207, 52,  
54) }
```

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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