

Converting Colors

$Y_{xy}(18.3423, 0.5551, 0.3271)$

Have a look what the booklet for
Yxy(18.3423, 0.5551, 0.3271)
contains.

Yxy(18.3423, 0.5551, 0.3271)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.3423, 0.5551, 0.3271)

Conversions

Conversions Part 1

Format	Color
Hex	D93C3F
RGB	217, 60, 63
RGB Percent	85%, 24%, 25%
CMY	0.1490, 0.7646, 0.7529
CMYK	0.00, 0.72, 0.71, 0.15
HSL	359°, 67%, 54%
HSV	359°, 72%, 85%
XYZ	31.1275, 18.3423, 6.6057
YIQ	107.2850, 92.6090, 34.2170

Conversions

Conversions Part 2

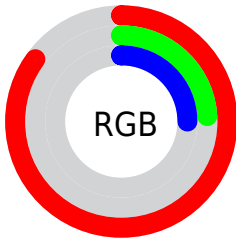
Format	Color
R_{YB}	217, 60, 63
Decimal	14236735
CIE _{Lab}	49.91, 60.56, 35.05
CIE _{LCh}	50, 69.967, 30.062
Yxy	18.3423, 0.5551, 0.3271
Android (android.graphics.Color)	4292426815 (0xFFD93C3F)
YUV	107.2850, -21.8325, 96.2201
Hunter-Lab	42.8279, 54.7857, 20.8348

Details

The Yxy color **18.3423, 0.5551, 0.3271** 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 **55.4380, 0.2331, 0.3329**, and the grayscale version is **14.8316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3646, 0.4811, 0.3363**, and **6.9205, 0.6210, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **16.3227, 0.5970, 0.3277**, and if you desaturate by 10%, it is **21.3876, 0.5077, 0.3268**.

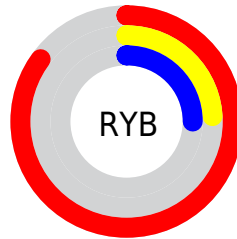
Distribution



Red (85%)

Green (24%)

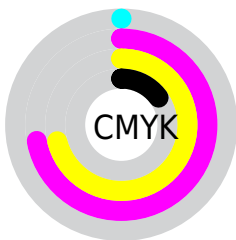
Blue (25%)



Red (85%)

Yellow (24%)

Blue (25%)

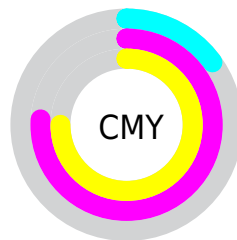


Cyan (0%)

Magenta (72%)

Yellow (71%)

Black (15%)



Cyan (15%)


Magenta (76%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3423, 0.5551, 0.3271 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 18.3423, 0.5551, 0.3271 by changing the saturation by 10% instead.


 18.3423, 0.5551,
0.3271


 18.3423, 0.5551,
0.3271


242.7934, 0.4178,
0.3393


 11.1960, 0.5925,
0.3182


 40.6197, 0.5022,
0.3354

 6.1988, 0.6405,
0.3025

 56.5197, 0.4830,
0.3372

 2.9664, 0.7191,
0.2809

 76.1063, 0.4673,
0.3383

 1.1142, 0.7771,
0.2229

 99.7640, 0.4541,
0.3390

 0.0000, 1.0000,
0.0000

 127.8772, 0.4429,
0.3393

 0.0000, 0.0000,
0.0000

 160.8302, 0.4333,

0.3394

199.0075, 0.4250,
0.3394

■ 18.3423, 0.5551,
0.3271

■ 18.3423, 0.5551,
0.3271

■ 16.3227, 0.5970,
0.3277

■ 21.3876, 0.5077,
0.3268

■ 15.1920, 0.6261,
0.3287


■ 25.5663, 0.4614,
0.3269

■ 14.7598, 0.6384,
0.3291

■ 30.9762, 0.4202,
0.3272


■ 37.7037, 0.3855,
0.3276

■ 45.8274, 0.3573,
0.3280

 55.4197, 0.3346,
0.3285

 66.5481, 0.3164,
0.3289

 79.2758, 0.3019,
0.3293

 93.4635, 0.2902,
0.3294

Harmonies

Analogous

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



18.3423, 0.4686, 0.2547



18.3423, 0.5551, 0.3271



18.3423, 0.5479, 0.4071

Triad

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



18.3423, 0.5551, 0.3271



18.3423, 0.2535, 0.5481



18.3423, 0.1454, 0.1528

Complementary

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



18.3423, 0.5551, 0.3271



55.4380, 0.2331, 0.3329

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.



18.3423, 0.1152, 0.1796



18.3423, 0.5551, 0.3271



18.3423, 0.1629, 0.4003

Square

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



18.3423, 0.5551, 0.3271



18.3423, 0.3656, 0.5710



18.3423, 0.1187, 0.2563



18.3423, 0.2149, 0.1595

Rectangle

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



18.3423, 0.5551, 0.3271



18.3423, 0.5025, 0.4666



18.3423, 0.1187, 0.2563



18.3423, 0.1314, 0.1575

Sweetspot

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



18.3434, 0.5551, 0.3271



66.2298, 0.3569, 0.3280



22.2045, 0.3142, 0.1693



13.4443, 0.3640, 0.3279



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.



18.3434, 0.5551, 0.3271



22.4921, 0.6148, 0.3282



31.9270, 0.4839, 0.4081



13.0555, 0.3289, 0.3286



8.9372, 0.6379, 0.3288



0.5804, 0.6313, 0.3251

Inverse Universe

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



18.3434, 0.5551, 0.3271



22.4921, 0.6148, 0.3282



25.8378, 0.2035, 0.2162



13.0555, 0.3289, 0.3286



8.9372, 0.6379, 0.3288



0.5804, 0.6313, 0.3251

Previews

White Background



This preview shows how the Yxy color 18.3423, 0.5551, 0.3271 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 18.3423, 0.5551, 0.3271 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 18.3423, 0.5551, 0.3271

Background



This preview shows how black text looks on a background with the Yxy color 18.3423, 0.5551, 0.3271.



This preview shows how white text looks on a background with the Yxy color 18.3423, 0.5551, 0.3271.

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

18.3423, 0.5551, 0.3271

Protanopia

18.5009, 0.3686, 0.3953

Deuteranopia

18.5969, 0.4336, 0.4268



Tritanopia

18.3423, 0.5551, 0.3271

Trichromacy



Original Color

18.3423, 0.5551, 0.3271

Protanomaly

16.8342, 0.4407, 0.3642

Deuteranomaly

17.1851, 0.4863, 0.3803

Tritanomaly

18.3423, 0.5551, 0.3271

Monochromacy



Original Color

18.3423, 0.5551, 0.3271

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.2707, 0.4034, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3423, 0.5551, 0.3271 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(217, 60, 63)` looks like.

```
.text, #text, p{  
    color:rgb(217, 60, 63)  
}
```

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(217, 60, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 60, 63) }
```

Border

The CSS property to change the border of an element to Yxy 18.3423, 0.5551, 0.3271 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(217, 60, 63) }
```

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

```
.border{ border-color:rgb(217, 60, 63) }
```

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

Here you see how a box with a 4 pixel rgb(217, 60, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 60, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 60, 63);  
box-shadow:4px 4px 4px 4px rgb(217, 60,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3423, 0.5551, 0.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 60, 63) }
```

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

```
.background{ background-color: rgb(217, 60,  
63) }
```

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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