

Converting Colors

$Y_{xy}(17.4696, 0.5330, 0.3379)$

Have a look what the booklet for
Yxy(17.4696, 0.5330, 0.3379)
contains.

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Color

Yxy(17.4219, 0.5337, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	CA473F
RGB	202, 71, 63
RGB Percent	79%, 28%, 25%
CMY	0.2078, 0.7216, 0.7530
CMYK	0.00, 0.65, 0.69, 0.21
HSL	3°, 57%, 52%
HSV	3°, 69%, 79%
XYZ	27.5091, 17.4219, 6.6131
YIQ	109.2570, 80.6440, 25.2840

Conversions

Conversions Part 2

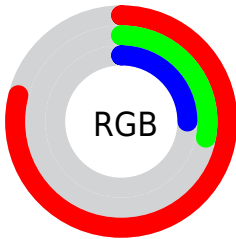
Format	Color
RYB	202, 71, 63
Decimal	13256511
CIELab	48.79, 51.48, 33.09
CIELCh	49, 61.196, 32.728
Yxy	17.4219, 0.5337, 0.3380
Android (android.graphics.Color)	4291446591 (0xFFCA473F)
YUV	109.2570, -22.8047, 81.3356
Hunter-Lab	41.7395, 44.5989, 19.8239

Details

The Yxy color **17.4219, 0.5337, 0.3380** 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 **43.9017, 0.2309, 0.3168**, and the grayscale version is **15.4184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0749, 0.4763, 0.3433**, and **5.7566, 0.6159, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **15.1833, 0.5779, 0.3372**, and if you desaturate by 10%, it is **20.5035, 0.4874, 0.3377**.

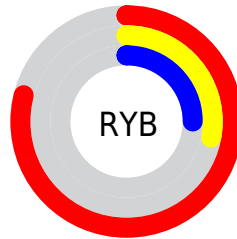
Distribution



Red (79%)

Green (28%)

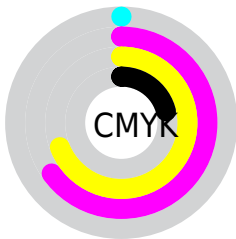
Blue (25%)



Red (79%)

Yellow (28%)

Blue (25%)

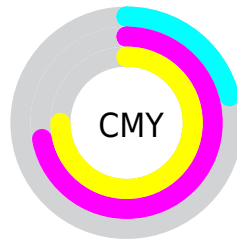


Cyan (0%)

Magenta (65%)

Yellow (69%)

Black (21%)



Cyan (21%)


Magenta (72%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4219, 0.5337, 0.3380 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 17.4219, 0.5337, 0.3380 by changing the saturation by 10% instead.


 17.4219, 0.5337,
0.3380


 17.4219, 0.5337,
0.3380


237.5921, 0.4068,
0.3425


 10.5358, 0.5694,
0.3316


 39.0498, 0.4841,
0.3430


 5.7556, 0.6162,
0.3190

 54.5603, 0.4664,
0.3437


 2.6970, 0.6973,
0.3027

 73.7143, 0.4519,
0.3439

 0.9757, 0.7557,
0.2443

 96.8964, 0.4398,
0.3439

 0.0000, 1.0000,
0.0000

 124.4908, 0.4297,
0.3436

 0.0000, 0.0000,
0.0000

 156.8819, 0.4209,

0.3433

194.4542, 0.4134,
0.3429

■ 17.4219, 0.5337,
0.3380

■ 17.4219, 0.5337,
0.3380

■ 15.1833, 0.5779,
0.3372

■ 20.5035, 0.4874,
0.3377

■ 13.7016, 0.6130,
0.3353

■ 24.4975, 0.4440,
0.3367

■ 12.8741, 0.6344,
0.3330

■ 29.4692, 0.4061,
0.3352

■ 12.8122, 0.6363,
0.3329

■ 35.4773, 0.3745,
0.3336

■ 42.5759, 0.3487,
0.3319

■ 50.8152, 0.3278,
0.3303

■ 60.2424, 0.3109,
0.3288

■ 70.9020, 0.2973,
0.3275

■ 82.8361, 0.2862,
0.3263

Harmonies

Analogous

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



17.4219, 0.4618, 0.2683



17.4219, 0.5337, 0.3380



17.4219, 0.5247, 0.4143

Triad

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



17.4219, 0.5337, 0.3380



17.4219, 0.2540, 0.5119



17.4219, 0.1631, 0.1663

Complementary

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



17.4219, 0.5337, 0.3380



43.9017, 0.2309, 0.3168

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.



17.4219, 0.1313, 0.1897



17.4219, 0.5337, 0.3380



17.4219, 0.1723, 0.3803

Square

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



17.4219, 0.5337, 0.3380



17.4219, 0.3574, 0.5489



17.4219, 0.1327, 0.2573



17.4219, 0.2323, 0.1747

Rectangle

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



17.4219, 0.5337, 0.3380



17.4219, 0.4832, 0.4683



17.4219, 0.1327, 0.2573



17.4219, 0.1486, 0.1702

Sweetspot

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



17.4229, 0.5337, 0.3380



68.9398, 0.3546, 0.3323



20.0538, 0.3282, 0.1828



14.0233, 0.3616, 0.3328



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.



17.4229, 0.5337, 0.3380



24.2221, 0.5981, 0.3363



31.5117, 0.4606, 0.4200



11.3157, 0.3289, 0.3304



8.2874, 0.6353, 0.3337



0.4647, 0.6199, 0.3460

Inverse Universe

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



43.9017, 0.2309, 0.3168



71.7215, 0.2234, 0.3138



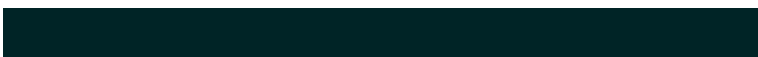
20.1266, 0.2033, 0.2034



12.6119, 0.2984, 0.3276



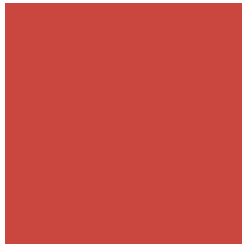
26.5862, 0.2198, 0.3111



1.4060, 0.2208, 0.3148

Previews

White Background



This preview shows how the Yxy color 17.4219, 0.5337, 0.3380 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 17.4219, 0.5337, 0.3380 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 17.4219, 0.5337, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 17.4219, 0.5337, 0.3380.



This preview shows how white text looks on a background with the Yxy color 17.4219, 0.5337, 0.3380.

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

17.4219, 0.5337, 0.3380

Protanopia

17.4909, 0.3724, 0.4005

Deuteranopia

17.5837, 0.4295, 0.4219



Tritanopia

17.2938, 0.5208, 0.3253

Trichromacy



Original Color

17.4219, 0.5337, 0.3380

Protanomaly

16.4654, 0.4335, 0.3740

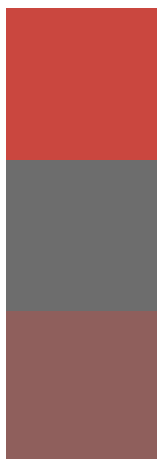
Deuteranomaly

16.6808, 0.4716, 0.3839

Tritanomaly

17.3665, 0.5260, 0.3307

Monochromacy



Original Color

17.4219, 0.5337, 0.3380

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.7968, 0.3924, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4219, 0.5337, 0.3380 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(202, 71, 63)` looks like.

```
.text, #text, p{  
    color:rgb(202, 71, 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(202, 71, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 71, 63) }
```

Border

The CSS property to change the border of an element to Yxy 17.4219, 0.5337, 0.3380 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(202, 71, 63) }
```

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

```
.border{ border-color:rgb(202, 71, 63) }
```

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

Here you see how a box with a 4 pixel rgb(202, 71, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 71, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 71, 63);  
box-shadow:4px 4px 4px 4px rgb(202, 71,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4219, 0.5337, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 71, 63) }
```

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

```
.background{ background-color: rgb(202, 71,  
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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