

Converting Colors

$Yxy(19.5999, 0.5172, 0.3316)$

Have a look what the booklet for
Yxy(19.5999, 0.5172, 0.3316)
contains.

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Color

Yxy(19.5312, 0.5170, 0.3307)

Conversions

Conversions Part 1

Format	Color
Hex	D24D4C
RGB	210, 77, 76
RGB Percent	82%, 30%, 30%
CMY	0.1765, 0.6980, 0.7020
CMYK	0.00, 0.63, 0.64, 0.18
HSL	0°, 60%, 56%
HSV	0°, 64%, 82%
XYZ	30.5341, 19.5312, 8.9949
YIQ	116.6530, 79.5890, 27.8850

Conversions

Conversions Part 2

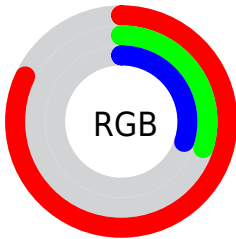
Format	Color
RYB	210, 77, 76
Decimal	13782348
CIELab	51.30, 52.34, 28.93
CIELCh	51, 59.807, 28.934
Yxy	19.5312, 0.5170, 0.3307
Android (android.graphics.Color)	4291972428 (0xFFD24D4C)
YUV	116.6530, -20.0419, 81.8653
Hunter-Lab	44.1941, 45.9875, 18.8685

Details

The Yxy color **19.5312, 0.5170, 0.3307** 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 **51.7658, 0.2365, 0.3273**, and the grayscale version is **17.7228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2432, 0.4562, 0.3365**, and **6.7817, 0.5931, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **16.8220, 0.5641, 0.3308**, and if you desaturate by 10%, it is **23.2715, 0.4699, 0.3305**.

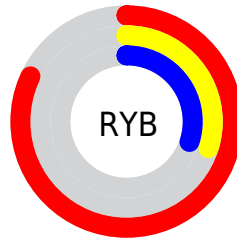
Distribution



Red (82%)

Green (30%)

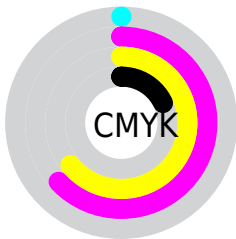
Blue (30%)



Red (82%)

Yellow (30%)

Blue (30%)

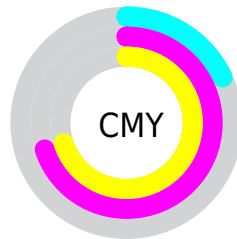


Cyan (0%)

Magenta (63%)

Yellow (64%)

Black (18%)



Cyan (18%)


Magenta (70%)


Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5312, 0.5170, 0.3307 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 19.5312, 0.5170, 0.3307 by changing the saturation by 10% instead.


 19.5312, 0.5170,
0.3307


 19.5312, 0.5170,
0.3307


249.3658, 0.4008,
0.3374


 12.0547, 0.5499,
0.3250


 42.6298, 0.4716,
0.3357


 6.7810, 0.5934,
0.3146

 59.0207, 0.4555,
0.3367

 3.3255, 0.6554,
0.2961

 79.1519, 0.4422,
0.3373

 1.3039, 0.7414,
0.2586

 103.4078, 0.4312,
0.3376

 0.1442, 0.9151,
0.0849

 132.1727, 0.4218,
0.3376

 0.0000, 1.0000,
0.0000

165.8311, 0.4138,

 0.0000, 0.0000,

0.3376

0.0000

204.7673, 0.4068,
0.3375

■ 19.5312, 0.5170,
0.3307

■ 19.5312, 0.5170,
0.3307

■ 16.8220, 0.5641,
0.3308

■ 23.2715, 0.4699,
0.3305

■ 15.0381, 0.6041,
0.3307

■ 28.1284, 0.4274,
0.3302

■ 14.0571, 0.6301,
0.3304

■ 34.1826, 0.3913,
0.3299

■ 13.7354, 0.6396,
0.3304

■ 41.5062, 0.3618,
0.3296

■ 50.1655, 0.3380,
0.3293

■ 60.2226, 0.3189,
0.3291

■ 71.7352, 0.3037,
0.3289

■ 84.7582, 0.2915,
0.3287

■ 92.4401, 0.2860,
0.3289

Harmonies

Analogous

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



19.5312, 0.4402, 0.2640



19.5312, 0.5170, 0.3307



19.5312, 0.5197, 0.4037

Triad

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



19.5312, 0.5170, 0.3307



19.5312, 0.2705, 0.5099



19.5312, 0.1640, 0.1746

Complementary

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



19.5312, 0.5170, 0.3307



51.7658, 0.2365, 0.3273

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.



19.5312, 0.1373, 0.2024



19.5312, 0.5170, 0.3307



19.5312, 0.1877, 0.3947

Square

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



19.5312, 0.5170, 0.3307



19.5312, 0.3701, 0.5337



19.5312, 0.1435, 0.2742



19.5312, 0.2261, 0.1789

Rectangle

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



19.5312, 0.5170, 0.3307



19.5312, 0.4855, 0.4547



19.5312, 0.1435, 0.2742



19.5312, 0.1515, 0.1799

Sweetspot

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



19.5323, 0.5170, 0.3307



70.3324, 0.3502, 0.3295



23.5193, 0.3195, 0.1842



14.2465, 0.3573, 0.3296



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.



19.5323, 0.5170, 0.3307



24.8217, 0.5816, 0.3307



33.8625, 0.4545, 0.4082



11.8227, 0.3290, 0.3292



8.3861, 0.6394, 0.3305



0.4742, 0.6374, 0.3321

Inverse Universe

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



51.7658, 0.2365, 0.3273



78.6931, 0.2290, 0.3269



25.8292, 0.2126, 0.2248



13.3907, 0.2983, 0.3288



30.4747, 0.2240, 0.3264



1.7091, 0.2241, 0.3269

Previews

White Background



This preview shows how the Yxy color 19.5312, 0.5170, 0.3307 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 19.5312, 0.5170, 0.3307 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 19.5312, 0.5170, 0.3307

Background



This preview shows how black text looks on a background with the Yxy color 19.5312, 0.5170, 0.3307.



This preview shows how white text looks on a background with the Yxy color 19.5312, 0.5170, 0.3307.

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

19.5312, 0.5170, 0.3307

Protanopia

19.7994, 0.3571, 0.3830

Deuteranopia

19.6363, 0.4168, 0.4090



Tritanopia

19.4646, 0.5105, 0.3242

Trichromacy



Original Color

19.5312, 0.5170, 0.3307

Protanomaly

18.4698, 0.4166, 0.3601

Deuteranomaly

18.7413, 0.4567, 0.3732

Tritanomaly

19.4350, 0.5135, 0.3264

Monochromacy



Original Color

19.5312, 0.5170, 0.3307

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.0414, 0.3847, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5312, 0.5170, 0.3307 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(210, 77, 76)` looks like.

```
.text, #text, p{  
    color:rgb(210, 77, 76)  
}
```

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(210, 77, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 77, 76) }
```

Border

The CSS property to change the border of an element to Yxy 19.5312, 0.5170, 0.3307 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(210, 77, 76) }
```

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

```
.border{ border-color:rgb(210, 77, 76) }
```

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

Here you see how a box with a 4 pixel rgb(210, 77, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 77, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 77, 76);  
box-shadow:4px 4px 4px 4px rgb(210, 77,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5312, 0.5170, 0.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 77, 76) }
```

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

```
.background{ background-color: rgb(210, 77,  
76) }
```

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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