

Converting Colors

$Y_{xy}(18.8381, 0.5720, 0.3481)$

Have a look what the booklet for
Yxy(18.8381, 0.5720, 0.3481)
contains.

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Color

Yxy(18.8226, 0.5729, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	D9422B
RGB	217, 66, 43
RGB Percent	85%, 26%, 17%
CMY	0.1491, 0.7410, 0.8314
CMYK	0.00, 0.70, 0.80, 0.15
HSL	8°, 70%, 51%
HSV	8°, 80%, 85%
XYZ	30.9959, 18.8226, 4.2850
YIQ	108.5270, 97.3790, 24.8590

Conversions

Conversions Part 2

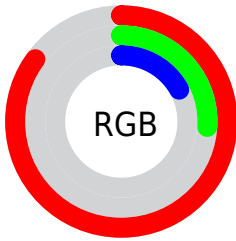
Format	Color
RYB	217, 70, 43
Decimal	14238251
CIELab	50.48, 57.61, 46.59
CIElCh	50, 74.092, 38.962
Yxy	18.8226, 0.5729, 0.3479
Android (android.graphics.Color)	4292428331 (0xFFD9422B)
YUV	108.5270, -32.3048, 95.1308
Hunter-Lab	43.3850, 51.6033, 24.5136

Details

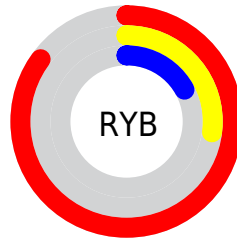
The Yxy color **18.8226, 0.5729, 0.3479** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **44.0844, 0.2197, 0.2953**, and the grayscale version is **15.2283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9344, 0.4998, 0.3586**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.8539, 0.6072, 0.3437**, and if you desaturate by 10%, it is **21.6020, 0.5307, 0.3496**.

Distribution



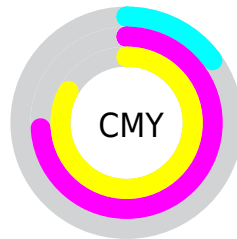
- Red (85%)
- Green (26%)
- Blue (17%)



- Red (85%)
- Yellow (27%)
- Blue (17%)



- Cyan (0%)
- Magenta (70%)
- Yellow (80%)
- Black (15%)





- Cyan (15%)
- Magenta (74%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8226, 0.5729, 0.3479 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 18.8226, 0.5729, 0.3479 by changing the saturation by 10% instead.


 18.8226, 0.5729,
0.3479


 18.8226, 0.5729,
0.3479


245.4677, 0.4292,
0.3531

 11.5422, 0.6089,
0.3388


 41.4341, 0.5193,
0.3550


 6.4327, 0.6558,
0.3232


 57.5340, 0.4994,
0.3560


 3.1100, 0.7080,
0.2920

 77.3425, 0.4827,
0.3562

 1.1894, 0.7641,
0.2359

 101.2439, 0.4686,
0.3559

 0.0530, 0.9683,
0.0317

 129.6228, 0.4565,
0.3553

 0.0000, 1.0000,
0.0000

 162.8634, 0.4461,

 0.0000, 0.0000,

0.3547

0.0000

201.3503, 0.4371,
0.3539

■ 18.8226, 0.5729,
0.3479

■ 18.8226, 0.5729,
0.3479

■ 16.8539, 0.6072,
0.3437

■ 21.6020, 0.5307,
0.3496


■ 15.6143, 0.6294,
0.3384

■ 25.2646, 0.4865,
0.3490


■ 29.8785, 0.4449,
0.3467

■ 35.5043, 0.4082,
0.3434

■ 42.1973, 0.3771,
0.3398

 50.0090, 0.3513,
0.3360

 58.9873, 0.3302,
0.3324

 69.1776, 0.3130,
0.3291

 80.6226, 0.2989,
0.3260

Harmonies

Analogous

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



18.8226, 0.5121, 0.2723



18.8226, 0.5729, 0.3479



18.8226, 0.5374, 0.4332

Triad

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



18.8226, 0.5729, 0.3479



18.8226, 0.2175, 0.5241



18.8226, 0.1560, 0.1458

Complementary

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



18.8226, 0.5729, 0.3479



44.0844, 0.2197, 0.2953

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.



18.8226, 0.1145, 0.1614



18.8226, 0.5729, 0.3479



18.8226, 0.1379, 0.3516

Square

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



18.8226, 0.5729, 0.3479



18.8226, 0.3299, 0.5910



18.8226, 0.1074, 0.2215



18.8226, 0.2414, 0.1616

Rectangle

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



18.8226, 0.5729, 0.3479



18.8226, 0.4791, 0.4970



18.8226, 0.1074, 0.2215



18.8226, 0.1379, 0.1472

Sweetspot

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



18.8237, 0.5729, 0.3479



67.3409, 0.3611, 0.3375



20.4937, 0.3451, 0.1790



13.5579, 0.3705, 0.3389



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.



18.8237, 0.5729, 0.3479



22.9816, 0.6231, 0.3398



36.8288, 0.4755, 0.4378



13.3280, 0.3288, 0.3322



9.5409, 0.6277, 0.3398



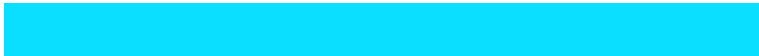
0.7104, 0.6022, 0.3601

Inverse Universe

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



44.0844, 0.2197, 0.2953



59.8445, 0.2136, 0.2876



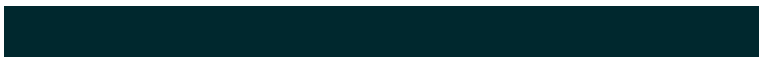
16.6084, 0.1842, 0.1605



14.5202, 0.2982, 0.3258



24.9879, 0.2130, 0.2868



1.7022, 0.2151, 0.2943

Previews

White Background



This preview shows how the Yxy color 18.8226, 0.5729, 0.3479 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 18.8226, 0.5729, 0.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

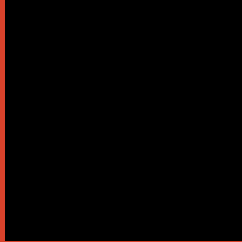
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8226, 0.5729, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 18.8226, 0.5729, 0.3479.



This preview shows how white text looks on a background with the Yxy color 18.8226, 0.5729, 0.3479.

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

18.8226, 0.5729, 0.3479

Protanopia

19.0486, 0.4031, 0.4405

Deuteranopia

19.0256, 0.4580, 0.4514



Tritanopia

18.8538, 0.5494, 0.3270

Trichromacy



Original Color

18.8226, 0.5729, 0.3479

Protanomaly

17.4569, 0.4714, 0.3993

Deuteranomaly

17.8950, 0.5089, 0.4054

Tritanomaly

18.8777, 0.5590, 0.3349

Monochromacy



Original Color

18.8226, 0.5729, 0.3479

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.7805, 0.4126, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8226, 0.5729, 0.3479 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, 66, 43)` looks like.

```
.text, #text, p{  
    color:rgb(217, 66, 43)  
}
```

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, 66, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 66, 43) }
```

Border

The CSS property to change the border of an element to Yxy 18.8226, 0.5729, 0.3479 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, 66, 43) }
```

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

```
.border{ border-color:rgb(217, 66, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 66, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 66, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 66, 43);  
box-shadow:4px 4px 4px 4px rgb(217, 66,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8226, 0.5729, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 66, 43) }
```

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

```
.background{ background-color: rgb(217, 66,  
43) }
```

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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