

Converting Colors

$Y_{xy}(18.8703, 0.5505, 0.3662)$

Have a look what the booklet for
Yxy(18.8703, 0.5505, 0.3662)
contains.

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Color

Yxy(18.8836, 0.5507, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	CD502A
RGB	205, 80, 42
RGB Percent	80%, 31%, 16%
CMY	0.1962, 0.6862, 0.8353
CMYK	0.00, 0.61, 0.80, 0.20
HSL	14°, 66%, 48%
HSV	14°, 80%, 80%
XYZ	28.4598, 18.8836, 4.3359
YIQ	113.0430, 86.6980, 14.6820

Conversions

Conversions Part 2

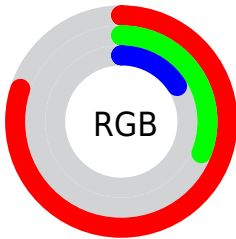
Format	Color
R _Y B	205, 92, 42
Decimal	13455402
CIE Lab	50.55, 47.65, 46.45
CIE LCh	51, 66.539, 44.268
Yxy	18.8836, 0.5507, 0.3654
Android (android.graphics.Color)	4291645482 (0xFFCD502A)
YUV	113.0430, -35.0242, 80.6463
Hunter-Lab	43.4553, 40.8567, 24.5028

Details

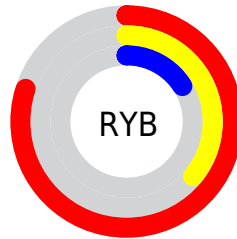
The Yxy color **18.8836, 0.5507, 0.3654** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **32.5230, 0.2131, 0.2688**, and the grayscale version is **16.6163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0484, 0.4908, 0.3714**, and **6.4524, 0.6215, 0.3447** is the 20% darker color. If you saturate the color by 10%, you get **16.7342, 0.5850, 0.3604**, and if you desaturate by 10%, it is **21.6485, 0.5114, 0.3664**.

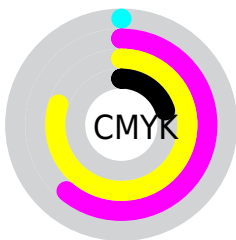
Distribution



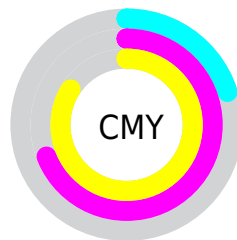
- Red (80%)
- Green (31%)
- Blue (16%)



- Red (80%)
- Yellow (36%)
- Blue (16%)



- Cyan (0%)
- Magenta (61%)
- Yellow (80%)
- Black (20%)





- Cyan (20%)
- Magenta (69%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8836, 0.5507, 0.3654 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 18.8836, 0.5507, 0.3654 by changing the saturation by 10% instead.


 18.8836, 0.5507,
0.3654

 18.8836, 0.5507,
0.3654


245.8054, 0.4189,
0.3592


 11.5862, 0.5841,
0.3597


 41.5373, 0.5014,
0.3678


 6.4626, 0.6279,
0.3486


 57.6624, 0.4830,
0.3671

 3.1283, 0.6774,
0.3226

 77.4989, 0.4678,
0.3660

 1.1991, 0.7298,
0.2702

 101.4311, 0.4549,
0.3647

 0.0610, 0.9546,
0.0454

 129.8435, 0.4439,
0.3632

 0.0000, 1.0000,
0.0000

 163.1204, 0.4344,

 0.0000, 0.0000,

0.3618

0.0000

201.6462, 0.4261,
0.3605

■ 18.8836, 0.5507,
0.3654

■ 18.8836, 0.5507,
0.3654

■ 16.7342, 0.5850,
0.3604

■ 21.6485, 0.5114,
0.3664

■ 15.1414, 0.6111,
0.3524

■ 25.0701, 0.4716,
0.3641

■ 15.0755, 0.6123,
0.3520

■ 29.1896, 0.4343,
0.3595

■ 34.0437, 0.4011,
0.3537

■ 39.6666, 0.3727,
0.3472

■ 46.0900, 0.3487,
0.3408

■ 53.3441, 0.3286,
0.3345

■ 61.4574, 0.3120,
0.3287

■ 70.4570, 0.2981,
0.3234

Harmonies

Analogous

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



18.8836, 0.5089, 0.2914



18.8836, 0.5507, 0.3654



18.8836, 0.5106, 0.4474

Triad

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



18.8836, 0.5507, 0.3654



18.8836, 0.2124, 0.4768



18.8836, 0.1790, 0.1594

Complementary

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



18.8836, 0.5507, 0.3654



32.5230, 0.2131, 0.2688

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.



18.8836, 0.1325, 0.1695



18.8836, 0.5507, 0.3654



18.8836, 0.1443, 0.3259

Square

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



18.8836, 0.5507, 0.3654



18.8836, 0.3148, 0.5627



18.8836, 0.1206, 0.2188



18.8836, 0.2673, 0.1793

Rectangle

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



18.8836, 0.5507, 0.3654



18.8836, 0.4547, 0.5041



18.8836, 0.1206, 0.2188



18.8836, 0.1593, 0.1592

Sweetspot

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



18.8847, 0.5507, 0.3654



70.2952, 0.3597, 0.3438



17.5227, 0.3682, 0.1942



14.2499, 0.3686, 0.3462



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.



18.8847, 0.5507, 0.3654



25.5769, 0.6031, 0.3550



37.8730, 0.4555, 0.4545



11.6314, 0.3284, 0.3345



9.5092, 0.6099, 0.3539



0.6105, 0.5709, 0.3849

Inverse Universe

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



32.5230, 0.2131, 0.2688



47.9154, 0.2046, 0.2545



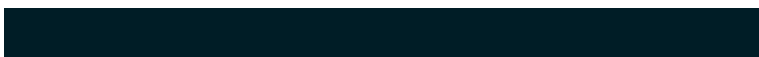
11.9087, 0.1787, 0.1375



12.2661, 0.2983, 0.3235



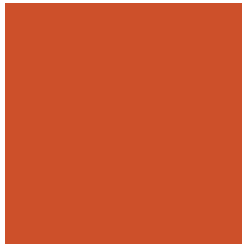
17.9445, 0.2035, 0.2525



1.0364, 0.2081, 0.2692

Previews

White Background



This preview shows how the Yxy color 18.8836, 0.5507, 0.3654 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 18.8836, 0.5507, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

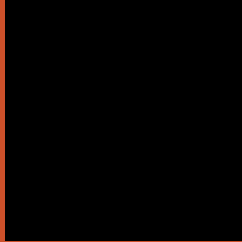
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8836, 0.5507, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 18.8836, 0.5507, 0.3654.



This preview shows how white text looks on a background with the Yxy color 18.8836, 0.5507, 0.3654.

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

18.8836, 0.5507, 0.3654

Protanopia

19.0001, 0.4080, 0.4477

Deuteranopia

19.0358, 0.4567, 0.4499



Tritanopia

18.8699, 0.5081, 0.3252

Trichromacy



Original Color

18.8836, 0.5507, 0.3654

Protanomaly

18.0034, 0.4642, 0.4136

Deuteranomaly

18.2820, 0.4955, 0.4146

Tritanomaly

18.8229, 0.5273, 0.3412

Monochromacy



Original Color

18.8836, 0.5507, 0.3654

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.1065, 0.4006, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8836, 0.5507, 0.3654 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(205, 80, 42)` looks like.

```
.text, #text, p{  
    color:rgb(205, 80, 42)  
}
```

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(205, 80, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 80, 42) }
```

Border

The CSS property to change the border of an element to Yxy 18.8836, 0.5507, 0.3654 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(205, 80, 42) }
```

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

```
.border{ border-color:rgb(205, 80, 42) }
```

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

Here you see how a box with a 4 pixel rgb(205, 80, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 80, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 80, 42);  
box-shadow:4px 4px 4px 4px rgb(205, 80,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8836, 0.5507, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 80, 42) }
```

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

```
.background{ background-color: rgb(205, 80,  
42) }
```

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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