

Converting Colors

$Y_{xy}(21.8500, 0.5412, 0.3673)$

Have a look what the booklet for
Yxy(21.8500, 0.5412, 0.3673)
contains.

Yxy(21.8136, 0.5414, 0.3673)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8136, 0.5414, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	D75931
RGB	215, 89, 49
RGB Percent	84%, 35%, 19%
CMY	0.1568, 0.6510, 0.8078
CMYK	0.00, 0.59, 0.77, 0.16
HSL	14°, 67%, 52%
HSV	14°, 77%, 84%
XYZ	32.1532, 21.8136, 5.4222
YIQ	122.1140, 87.9360, 14.2720

Conversions

Conversions Part 2

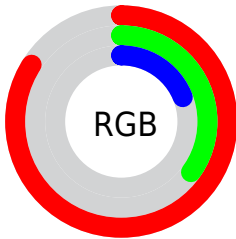
Format	Color
R _Y B	215, 102, 49
Decimal	14113073
CIE Lab	53.83, 47.40, 46.81
CIE LCh	54, 66.623, 44.640
Yxy	21.8136, 0.5414, 0.3673
Android (android.graphics.Color)	4292303153 (0xFFD75931)
YUV	122.1140, -36.0452, 81.4610
Hunter-Lab	46.7050, 41.1513, 25.8102

Details

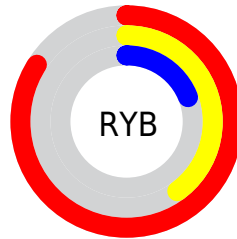
The Yxy color **21.8136, 0.5414, 0.3673** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **36.2265, 0.2141, 0.2686**, and the grayscale version is **19.6005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7868, 0.4762, 0.3735**, and **7.9164, 0.6112, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **19.2528, 0.5770, 0.3631**, and if you desaturate by 10%, it is **25.0656, 0.5019, 0.3675**.

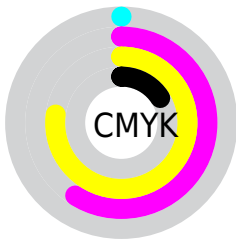
Distribution



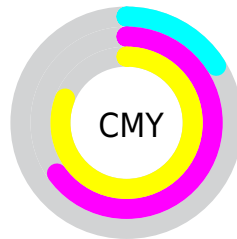
- Red (84%)
- Green (35%)
- Blue (19%)



- Red (84%)
- Yellow (40%)
- Blue (19%)



- Cyan (0%)
- Magenta (59%)
- Yellow (77%)
- Black (16%)





- Cyan (16%)
- Magenta (65%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8136, 0.5414, 0.3673 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 21.8136, 0.5414, 0.3673 by changing the saturation by 10% instead.


 21.8136, 0.5414,
0.3673


 21.8136, 0.5414,
0.3673


261.5713, 0.4169,
0.3593


 13.7200, 0.5725,
0.3631


 46.4377, 0.4952,
0.3685


 7.9262, 0.6108,
0.3533


 63.7370, 0.4780,
0.3676


 4.0477, 0.6639,
0.3361

 84.8737, 0.4636,
0.3663

 1.7003, 0.7091,
0.2909

 110.2321, 0.4513,
0.3649

 0.4239, 0.8080,
0.1920

 140.1967, 0.4408,
0.3634

 0.0000, 1.0000,
0.0000

 175.1518, 0.4318,

 0.0000, 0.0000,

0.3620

0.0000

215.4819, 0.4239,
0.3606

■ 21.8136, 0.5414,
0.3673

■ 21.8136, 0.5414,
0.3673

■ 19.2528, 0.5770,
0.3631

■ 25.0656, 0.5019,
0.3675

■ 17.3246, 0.6046,
0.3552


■ 29.0524, 0.4626,
0.3644


■ 16.8864, 0.6112,
0.3529

■ 33.8183, 0.4262,
0.3593


■ 39.4029, 0.3942,
0.3530

■ 45.8427, 0.3668,
0.3463

 53.1723, 0.3438,
0.3397

 61.4243, 0.3246,
0.3333

 70.6294, 0.3085,
0.3274

 80.8171, 0.2952,
0.3220

Harmonies

Analogous

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



21.8136, 0.5012, 0.2946



21.8136, 0.5414, 0.3673



21.8136, 0.5038, 0.4468

Triad

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



21.8136, 0.5414, 0.3673



21.8136, 0.2162, 0.4674



21.8136, 0.1847, 0.1650

Complementary

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



21.8136, 0.5414, 0.3673



36.2265, 0.2141, 0.2686

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.



21.8136, 0.1386, 0.1748



21.8136, 0.5414, 0.3673



21.8136, 0.1501, 0.3253

Square

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



21.8136, 0.5414, 0.3673



21.8136, 0.3154, 0.5510



21.8136, 0.1267, 0.2230



21.8136, 0.2709, 0.1847

Rectangle

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



21.8136, 0.5414, 0.3673



21.8136, 0.4505, 0.5004



21.8136, 0.1267, 0.2230



21.8136, 0.1652, 0.1648

Sweetspot

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



21.8148, 0.5414, 0.3673



71.5918, 0.3572, 0.3436



19.7911, 0.3704, 0.1982



14.5111, 0.3660, 0.3461



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.



21.8148, 0.5414, 0.3673



26.3329, 0.5965, 0.3581



43.6985, 0.4495, 0.4558



12.9018, 0.3285, 0.3347



10.2380, 0.6087, 0.3549



0.7480, 0.5744, 0.3821

Inverse Universe

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



36.2265, 0.2141, 0.2686



47.6749, 0.2047, 0.2537



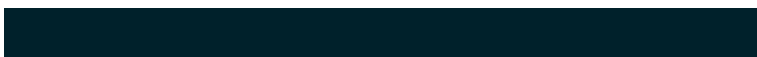
13.4369, 0.1804, 0.1387



13.5773, 0.2982, 0.3233



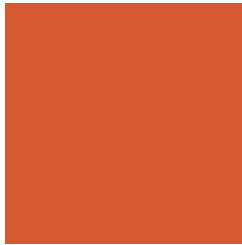
18.8175, 0.2027, 0.2497



1.2595, 0.2069, 0.2649

Previews

White Background



This preview shows how the Yxy color 21.8136, 0.5414, 0.3673 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 21.8136, 0.5414, 0.3673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

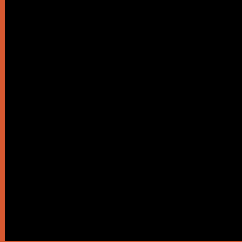
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8136, 0.5414, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 21.8136, 0.5414, 0.3673.



This preview shows how white text looks on a background with the Yxy color 21.8136, 0.5414, 0.3673.

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

21.8136, 0.5414, 0.3673

Protanopia

21.8771, 0.4046, 0.4421

Deuteranopia

22.0005, 0.4524, 0.4450



Tritanopia

21.8305, 0.4977, 0.3231

Trichromacy



Original Color

21.8136, 0.5414, 0.3673

Protanomaly

20.7651, 0.4574, 0.4108

Deuteranomaly

21.3671, 0.4877, 0.4139

Tritanomaly

21.7625, 0.5159, 0.3411

Monochromacy



Original Color

21.8136, 0.5414, 0.3673

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.0460, 0.3971, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8136, 0.5414, 0.3673 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(215, 89, 49)` looks like.

```
.text, #text, p{  
    color:rgb(215, 89, 49)  
}
```

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(215, 89, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 89, 49) }
```

Border

The CSS property to change the border of an element to Yxy 21.8136, 0.5414, 0.3673 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(215, 89, 49) }
```

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

```
.border{ border-color:rgb(215, 89, 49) }
```

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

Here you see how a box with a 4 pixel rgb(215, 89, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 89, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 89, 49);  
box-shadow:4px 4px 4px 4px rgb(215, 89,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8136, 0.5414, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 89, 49) }
```

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

```
.background{ background-color: rgb(215, 89,  
49) }
```

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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