

Converting Colors

$Y_{xy}(19.0820, 0.5515, 0.3730)$

Have a look what the booklet for
Yxy(19.0820, 0.5515, 0.3730)
contains.

Yxy(19.1513, 0.5515, 0.3730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.1513, 0.5515, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	CC5324
RGB	204, 83, 36
RGB Percent	80%, 33%, 14%
CMY	0.2000, 0.6745, 0.8587
CMYK	0.00, 0.59, 0.82, 0.20
HSL	17°, 70%, 47%
HSV	17°, 82%, 80%
XYZ	28.3162, 19.1513, 3.8765
YIQ	113.8210, 87.2030, 11.0350

Conversions

Conversions Part 2

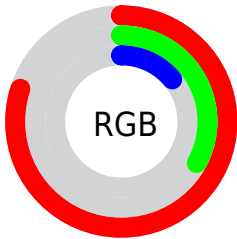
Format	Color
RYB	204, 101, 36
Decimal	13390628
CIELab	50.86, 45.73, 49.49
CIELCh	51, 67.385, 47.257
Yxy	19.1513, 0.5515, 0.3730
Android (android.graphics.Color)	4291580708 (0xFFCC5324)
YUV	113.8210, -38.3658, 79.0870
Hunter-Lab	43.7622, 38.9140, 25.3816

Details

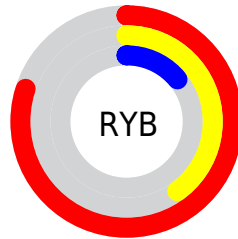
The Yxy color **19.1513, 0.5515, 0.3730** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **28.8687, 0.2078, 0.2532**, and the grayscale version is **16.8697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5242, 0.4936, 0.3775**, and **6.5813, 0.6151, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **17.0456, 0.5828, 0.3668**, and if you desaturate by 10%, it is **21.8070, 0.5149, 0.3747**.

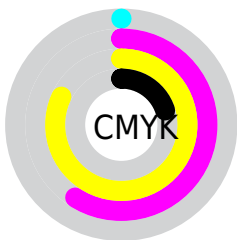
Distribution



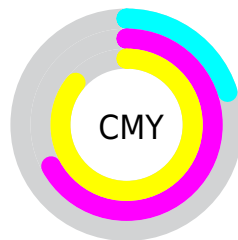
- Red (80%)
- Green (33%)
- Blue (14%)



- Red (80%)
- Yellow (40%)
- Blue (14%)



- Cyan (0%)
- Magenta (59%)
- Yellow (82%)
- Black (20%)





- Cyan (20%)
- Magenta (67%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1513, 0.5515, 0.3730 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 19.1513, 0.5515, 0.3730 by changing the saturation by 10% instead.


 19.1513, 0.5515,
0.3730


 19.1513, 0.5515,
0.3730


247.2828, 0.4205,
0.3636


 11.7797, 0.5838,
0.3676


 41.9896, 0.5030,
0.3745


 6.5938, 0.6278,
0.3581


 58.2251, 0.4849,
0.3735


 3.2094, 0.6700,
0.3300

 78.1839, 0.4696,
0.3719

 1.2420, 0.7207,
0.2793

 102.2505, 0.4567,
0.3702

 0.0956, 0.9296,
0.0704

 130.8093, 0.4457,
0.3685

 0.0000, 1.0000,
0.0000

 164.2447, 0.4361,

 0.0000, 0.0000,

0.3668

0.0000

202.9410, 0.4278,
0.3651

19.1513, 0.5515,
0.3730

19.1513, 0.5515,
0.3730

17.0456, 0.5828,
0.3668

21.8070, 0.5149,
0.3747

15.7680, 0.6022,
0.3601

25.0476, 0.4769,
0.3724

28.9086, 0.4406,
0.3673

33.4215, 0.4077,
0.3605

38.6157, 0.3790,
0.3529

■ 44.5185, 0.3545,
0.3452

■ 51.1557, 0.3337,
0.3377

■ 58.5520, 0.3164,
0.3306

■ 66.7305, 0.3018,
0.3240

Harmonies

Analogous

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



19.1513, 0.5186, 0.2981



19.1513, 0.5515, 0.3730



19.1513, 0.5043, 0.4563

Triad

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



19.1513, 0.5515, 0.3730



19.1513, 0.2027, 0.4636



19.1513, 0.1850, 0.1592

Complementary

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



19.1513, 0.5515, 0.3730



28.8687, 0.2078, 0.2532

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.



19.1513, 0.1346, 0.1660



19.1513, 0.5515, 0.3730



19.1513, 0.1390, 0.3121

Square

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



19.1513, 0.5515, 0.3730



19.1513, 0.3036, 0.5621



19.1513, 0.1193, 0.2107



19.1513, 0.2782, 0.1820

Rectangle

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



19.1513, 0.5515, 0.3730



19.1513, 0.4456, 0.5130



19.1513, 0.1193, 0.2107



19.1513, 0.1638, 0.1580

Sweetspot

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



19.1524, 0.5515, 0.3730



70.6683, 0.3614, 0.3475



16.6139, 0.3840, 0.2005



14.3793, 0.3701, 0.3503



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.



19.1524, 0.5515, 0.3730



26.0466, 0.6021, 0.3593



39.8108, 0.4505, 0.4641



11.7157, 0.3283, 0.3355



10.0602, 0.5997, 0.3620



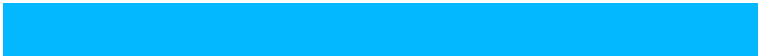
0.6492, 0.5603, 0.3933

Inverse Universe

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



28.8687, 0.2078, 0.2532



41.6960, 0.1986, 0.2345



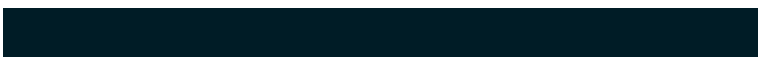
9.8000, 0.1722, 0.1192



12.1762, 0.2983, 0.3224



16.0368, 0.1990, 0.2362



0.9512, 0.2046, 0.2565

Previews

White Background



This preview shows how the Yxy color 19.1513, 0.5515, 0.3730 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 19.1513, 0.5515, 0.3730 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 19.1513, 0.5515, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 19.1513, 0.5515, 0.3730.



This preview shows how white text looks on a background with the Yxy color 19.1513, 0.5515, 0.3730.

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

19.1513, 0.5515, 0.3730

Protanopia

19.3506, 0.4157, 0.4569

Deuteranopia

19.0997, 0.4620, 0.4541



Tritanopia

19.1951, 0.5019, 0.3239

Trichromacy



Original Color

19.1513, 0.5515, 0.3730

Protanomaly

18.4694, 0.4694, 0.4234

Deuteranomaly

18.5550, 0.5000, 0.4203

Tritanomaly

19.1098, 0.5235, 0.3446

Monochromacy



Original Color

19.1513, 0.5515, 0.3730

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.5754, 0.4021, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1513, 0.5515, 0.3730 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(204, 83, 36)` looks like.

```
.text, #text, p{  
    color:rgb(204, 83, 36)  
}
```

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(204, 83, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 83, 36) }
```

Border

The CSS property to change the border of an element to Yxy 19.1513, 0.5515, 0.3730 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(204, 83, 36) }
```

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

```
.border{ border-color:rgb(204, 83, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 83, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 83, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 83, 36);  
box-shadow:4px 4px 4px 4px rgb(204, 83,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1513, 0.5515, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 83, 36) }
```

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

```
.background{ background-color: rgb(204, 83,  
36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor