

# Converting Colors

$Y_{xy}(22.9656, 0.5531, 0.3773)$

Have a look what the booklet for  
Yxy(22.9656, 0.5531, 0.3773)  
contains.

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**Color**

**Yxy(22.9913, 0.5526, 0.3776)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC5C23
RGB	220, 92, 35
RGB Percent	86%, 36%, 14%
CMY	0.1372, 0.6392, 0.8630
CMYK	0.00, 0.58, 0.84, 0.14
HSL	18°, 73%, 50%
HSV	18°, 84%, 86%
XYZ	33.6467, 22.9913, 4.2500
YIQ	123.7740, 94.5850, 9.4090

# Conversions

## Conversions Part 2

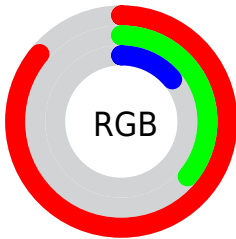
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 117, 35
Decimal	14441507
CIE <sub>Lab</sub>	55.06, 47.39, 54.68
CIE <sub>LCh</sub>	55, 72.361, 49.082
Yxy	22.9913, 0.5526, 0.3776
Android (android.graphics.Color)	4292631587 (0xFFDC5C23)
YUV	123.7740, -43.7656, 84.3902
Hunter-Lab	47.9492, 41.3449, 28.3093

# Details

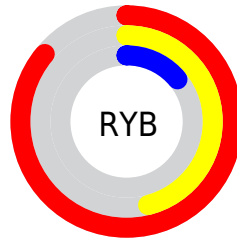
The Yxy color **22.9913, 0.5526, 0.3776** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **31.6996, 0.2041, 0.2423**, and the grayscale version is **20.2005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4736, 0.4849, 0.3875**, and **8.5543, 0.6074, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **20.5235, 0.5818, 0.3705**, and if you desaturate by 10%, it is **26.0730, 0.5178, 0.3799**.

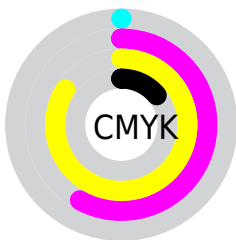
# Distribution



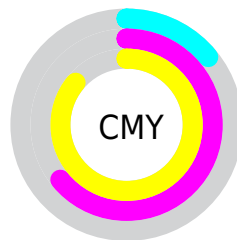
- Red (86%)
- Green (36%)
- Blue (14%)



- Red (86%)
- Yellow (46%)
- Blue (14%)



- Cyan (0%)
- Magenta (58%)
- Yellow (84%)
- Black (14%)




- Cyan (14%)
- Magenta (64%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9913, 0.5526, 0.3776 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 22.9913, 0.5526, 0.3776 by changing the saturation by 10% instead.





 22.9913, 0.5526,  
0.3776


 22.9913, 0.5526,  
0.3776


267.6803, 0.4256,  
0.3673


 14.5871, 0.5822,  
0.3727


 48.3790, 0.5069,  
0.3789

 8.5301, 0.6196,  
0.3632


 66.1314, 0.4894,  
0.3777


 4.4360, 0.6595,  
0.3405

 87.7685, 0.4745,  
0.3761

 1.9203, 0.7023,  
0.2977

 113.6748, 0.4618,  
0.3743

 0.5605, 0.7816,  
0.2184

 144.2348, 0.4508,  
0.3725

 0.0000, 1.0000,  
0.0000

 179.8328, 0.4413,

 0.0000, 0.0000,

0.3707

0.0000

220.8531, 0.4330,  
0.3689

22.9913, 0.5526,  
0.3776

22.9913, 0.5526,  
0.3776

20.5235, 0.5818,  
0.3705

26.0730, 0.5178,  
0.3799

19.3308, 0.5961,  
0.3649

29.8073, 0.4809,  
0.3778

34.2334, 0.4451,  
0.3726

39.3862, 0.4123,  
0.3653

45.2979, 0.3834,  
0.3570

■ 51.9986, 0.3584,  
0.3484

■ 59.5170, 0.3372,  
0.3401

■ 67.8798, 0.3192,  
0.3321

■ 77.1130, 0.3041,  
0.3247

# Harmonies

## Analogous

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



22.9913, 0.5253, 0.3019



22.9913, 0.5526, 0.3776



22.9913, 0.5007, 0.4620

# Triad

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



22.9913, 0.5526, 0.3776



22.9913, 0.1963, 0.4559



22.9913, 0.1884, 0.1586

# Complementary

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



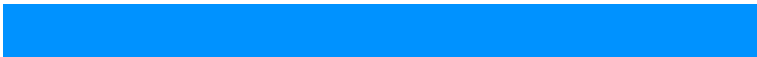
22.9913, 0.5526, 0.3776



31.6996, 0.2041, 0.2423

# 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.



22.9913, 0.1353, 0.1633



22.9913, 0.5526, 0.3776



22.9913, 0.1352, 0.3035

# Square

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



22.9913, 0.5526, 0.3776



22.9913, 0.2964, 0.5624



22.9913, 0.1179, 0.2054



22.9913, 0.2849, 0.1832



# Rectangle

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



22.9913, 0.5526, 0.3776



22.9913, 0.4401, 0.5190



22.9913, 0.1179, 0.2054



22.9913, 0.1662, 0.1567

# Sweetspot

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



22.9926, 0.5526, 0.3776



71.5743, 0.3609, 0.3494



19.1134, 0.3960, 0.2054



14.5918, 0.3695, 0.3524



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.



22.9926, 0.5526, 0.3776



26.7977, 0.5975, 0.3638



49.2022, 0.4471, 0.4705



13.7031, 0.3284, 0.3363



11.5186, 0.5933, 0.3671



0.8967, 0.5611, 0.3927



# Inverse Universe

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



31.6996, 0.2041, 0.2423



38.4187, 0.1953, 0.2230



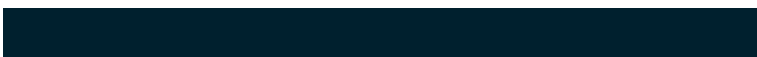
10.1531, 0.1678, 0.1070



14.1168, 0.2982, 0.3216



16.4503, 0.1960, 0.2257



1.2160, 0.2013, 0.2445



# Previews

## White Background



This preview shows how the Yxy color 22.9913, 0.5526, 0.3776 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 22.9913, 0.5526, 0.3776 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 22.9913, 0.5526, 0.3776**

## Background



This preview shows how black text looks on a background with the Yxy color 22.9913, 0.5526, 0.3776.



This preview shows how white text looks on a background with the Yxy color 22.9913, 0.5526, 0.3776.

# 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

22.9913, 0.5526, 0.3776

### Protanopia

23.2604, 0.4198, 0.4634

### Deuteranopia

22.9297, 0.4666, 0.4574



## Tritanopia

22.9579, 0.4981, 0.3232

# Trichromacy



**Original Color**

22.9913, 0.5526, 0.3776

**Protanomaly**

22.1156, 0.4722, 0.4291

**Deuteranomaly**

22.3195, 0.5016, 0.4252

**Tritanomaly**

22.8065, 0.5235, 0.3466

# Monochromacy



**Original Color**

22.9913, 0.5526, 0.3776

**Achromatopsia**

20.1556, 0.3127, 0.3290

**Achromatomaly**

19.7320, 0.4039, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 22.9913, 0.5526, 0.3776 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(220, 92, 35)` looks like.

```
.text, #text, p{  
  color:rgb(220, 92, 35)  
}
```

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(220, 92, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 92, 35) }
```

## Border

The CSS property to change the border of an element to Yxy 22.9913, 0.5526, 0.3776 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(220, 92, 35) }
```

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

```
.border{ border-color:rgb(220, 92, 35) }
```

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

Here you see how a box with a 4 pixel rgb(220, 92, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 92, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 92, 35);  
box-shadow:4px 4px 4px 4px rgb(220, 92,  
35) }
```



# Background

The CSS property to change the background color of an element to Yxy 22.9913, 0.5526, 0.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 92, 35) }
```

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

```
.background{ background-color: rgb(220, 92,  
35) }
```

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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