

# Converting Colors

$Y_{xy}(13.9531, 0.5936, 0.3403)$

Have a look what the booklet for  
Yxy(13.9531, 0.5936, 0.3403)  
contains.

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**Color**

**Yxy(13.9232, 0.5932, 0.3406)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C52E1F
RGB	197, 46, 31
RGB Percent	77%, 18%, 12%
CMY	0.2275, 0.8195, 0.8784
CMYK	0.00, 0.77, 0.84, 0.23
HSL	5°, 73%, 45%
HSV	5°, 84%, 77%
XYZ	24.2491, 13.9232, 2.7062
YIQ	89.4390, 94.8110, 27.3470

# Conversions

## Conversions Part 2

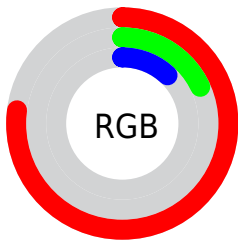
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 47, 31
Decimal	12922399
CIELab	44.12, 57.97, 45.29
CIELCh	44, 73.566, 38.001
Yxy	13.9232, 0.5932, 0.3406
Android (android.graphics.Color)	4291112479 (0xFFC52E1F)
YUV	89.4390, -28.8104, 94.3310
Hunter-Lab	37.3138, 50.7025, 21.8197

# Details

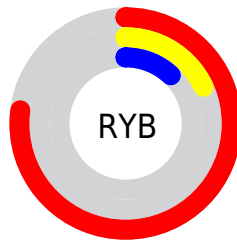
The Yxy color **13.9232, 0.5932, 0.3406** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **37.7693, 0.2210, 0.3051**, and the grayscale version is **10.1446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7107, 0.5279, 0.3520**, and **5.0683, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.7297, 0.6222, 0.3370**, and if you desaturate by 10%, it is **15.7658, 0.5530, 0.3427**.

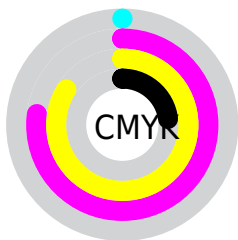
# Distribution



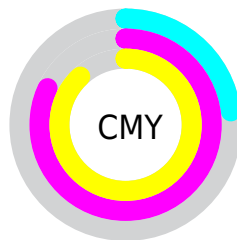
- Red (77%)
- Green (18%)
- Blue (12%)



- Red (77%)
- Yellow (18%)
- Blue (12%)



- Cyan (0%)
- Magenta (77%)
- Yellow (84%)
- Black (23%)




- Cyan (23%)
- Magenta (82%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 13.9232, 0.5932, 0.3406 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 13.9232, 0.5932, 0.3406 by changing the saturation by 10% instead.





 13.9232, 0.5932,  
0.3406


 13.9232, 0.5932,  
0.3406


216.7525, 0.4328,  
0.3520


 8.0673, 0.6344,  
0.3272


 32.9527, 0.5322,  
0.3516


 4.1380, 0.6935,  
0.3065

 46.8951, 0.5098,  
0.3534

 1.7511, 0.7420,  
0.2580

 64.3017, 0.4912,  
0.3541

 0.4564, 0.8347,  
0.1653

 85.5569, 0.4756,  
0.3541

 0.0000, 1.0000,  
0.0000


 111.0453, 0.4624,  
0.3538


 0.0000, 0.0000,  
0.0000

 141.1511, 0.4511,


0.3533


 176.2587, 0.4413,  
0.3527

 13.9232, 0.5932,  
0.3406


 13.9232, 0.5932,  
0.3406

 12.7297, 0.6222,  
0.3370


 15.7658, 0.5530,  
0.3427

 12.2962, 0.6335,  
0.3352

 18.3297, 0.5080,  
0.3429

 21.6804, 0.4637,  
0.3418

 25.8752, 0.4239,  
0.3399

 30.9661, 0.3898,  
0.3374

■ 37.0009, 0.3615,  
0.3349

■ 44.0239, 0.3384,  
0.3323

■ 52.0768, 0.3196,  
0.3300

■ 61.1988, 0.3044,  
0.3278

# Harmonies

## Analogous

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



13.9232, 0.5265, 0.2635



13.9232, 0.5932, 0.3406



13.9232, 0.5532, 0.4298

# Triad

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



13.9232, 0.5932, 0.3406



13.9232, 0.2099, 0.5522



13.9232, 0.1434, 0.1343

# Complementary

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



13.9232, 0.5932, 0.3406



37.7693, 0.2210, 0.3051

# 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.



13.9232, 0.1021, 0.1506



13.9232, 0.5932, 0.3406



13.9232, 0.1262, 0.3575

# Square

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



13.9232, 0.5932, 0.3406



13.9232, 0.3282, 0.6145



13.9232, 0.0951, 0.2139



13.9232, 0.2311, 0.1500



# Rectangle

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



13.9232, 0.5932, 0.3406



13.9232, 0.4915, 0.5021



13.9232, 0.0951, 0.2139



13.9232, 0.1253, 0.1359

# Sweetspot

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



13.9240, 0.5932, 0.3406



64.9727, 0.3644, 0.3351



16.2753, 0.3388, 0.1719



13.0539, 0.3741, 0.3361



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.



13.9240, 0.5932, 0.3406



21.8754, 0.6347, 0.3342



27.3630, 0.4894, 0.4324



10.7886, 0.3287, 0.3312



8.1426, 0.6322, 0.3362



0.4398, 0.6080, 0.3555



# Inverse Universe

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



37.7693, 0.2210, 0.3051



64.8957, 0.2166, 0.2998



13.4689, 0.1827, 0.1617



11.8971, 0.2984, 0.3268



23.9688, 0.2169, 0.3007



1.1841, 0.2186, 0.3070



# Previews

## White Background



This preview shows how the Yxy color 13.9232, 0.5932, 0.3406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

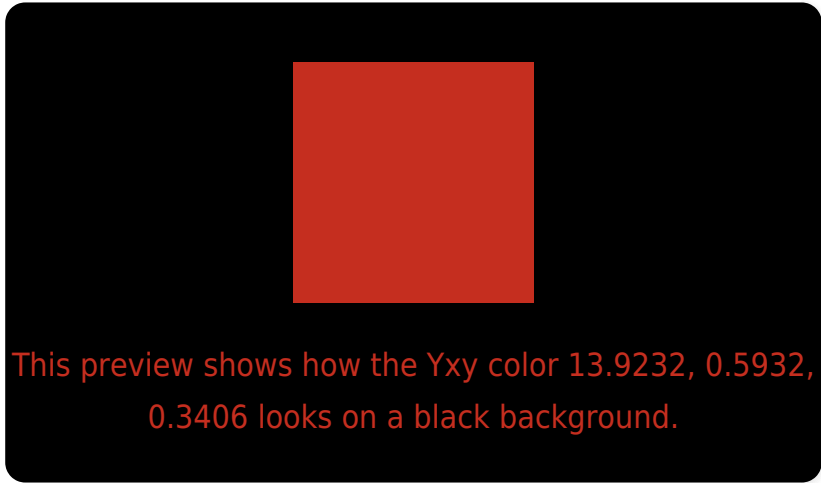
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

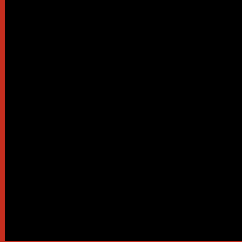
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 13.9232, 0.5932, 0.3406**

## Background



This preview shows how black text looks on a background with the Yxy color 13.9232, 0.5932, 0.3406.



This preview shows how white text looks on a background with the Yxy color 13.9232, 0.5932, 0.3406.

# 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

13.9232, 0.5932, 0.3406

### Protanopia

14.0823, 0.4078, 0.4458

### Deuteranopia

14.1184, 0.4665, 0.4615



## Tritanopia

13.8611, 0.5791, 0.3290

# Trichromacy



## Original Color

13.9232, 0.5932, 0.3406

## Protanomaly

12.6117, 0.4857, 0.3972

## Deuteranomaly

12.8427, 0.5275, 0.4063

## Tritanomaly

13.9003, 0.5845, 0.3337

# Monochromacy



## Original Color

13.9232, 0.5932, 0.3406

## Achromatopsia

9.9899, 0.3127, 0.3290

## Achromatomaly

9.7716, 0.4280, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 13.9232, 0.5932, 0.3406 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(197, 46, 31)` looks like.

```
.text, #text, p{  
  color:rgb(197, 46, 31)  
}
```

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(197, 46, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 46, 31) }
```

## Border

The CSS property to change the border of an element to Yxy 13.9232, 0.5932, 0.3406 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(197, 46, 31) }
```

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

```
.border{ border-color:rgb(197, 46, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 46, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 46, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 46, 31);  
box-shadow:4px 4px 4px 4px rgb(197, 46,  
31) }
```



# Background

The CSS property to change the background color of an element to Yxy 13.9232, 0.5932, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 46, 31) }
```

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

```
.background{ background-color: rgb(197, 46,  
31) }
```

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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