

Converting Colors

$Yxy(13.3311, 0.5769, 0.3233)$

Have a look what the booklet for
Yxy(13.3311, 0.5769, 0.3233)
contains.

Yxy(13.3331, 0.5770, 0.3233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.3331, 0.5770, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	C32830
RGB	195, 40, 48
RGB Percent	76%, 16%, 19%
CMY	0.2353, 0.8430, 0.8119
CMYK	0.00, 0.79, 0.75, 0.24
HSL	357°, 66%, 46%
HSV	357°, 79%, 76%
XYZ	23.7959, 13.3331, 4.1117
YIQ	87.2570, 89.8120, 35.3480

Conversions

Conversions Part 2

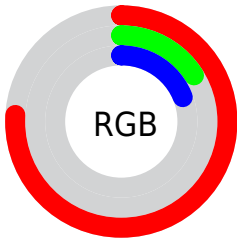
Format	Color
R_{YB}	195, 40, 48
Decimal	12789808
CIE _{Lab}	43.26, 59.70, 35.07
CIE _{LCh}	43, 69.238, 30.437
Yxy	13.3331, 0.5770, 0.3233
Android (android.graphics.Color)	4290979888 (0xFFC32830)
YUV	87.2570, -19.3537, 94.4906
Hunter-Lab	36.5145, 52.4248, 18.8839

Details

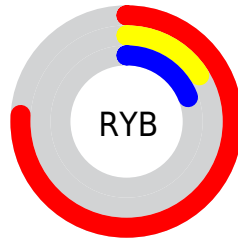
The Yxy color **13.3331, 0.5770, 0.3233** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **43.0687, 0.2326, 0.3411**, and the grayscale version is **9.6200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2006, 0.5125, 0.3341**, and **4.9931, 0.6365, 0.3280** is the 20% darker color. If you saturate the color by 10%, you get **12.2114, 0.6124, 0.3253**, and if you desaturate by 10%, it is **15.1828, 0.5326, 0.3223**.

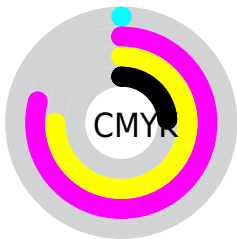
Distribution



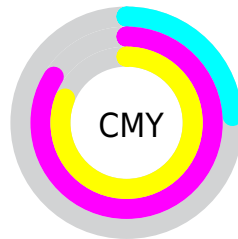
- Red (76%)
- Green (16%)
- Blue (19%)



- Red (76%)
- Yellow (16%)
- Blue (19%)



- Cyan (0%)
- Magenta (79%)
- Yellow (75%)
- Black (24%)





- Cyan (24%)
- Magenta (84%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3331, 0.5770, 0.3233 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 13.3331, 0.5770, 0.3233 by changing the saturation by 10% instead.


 13.3331, 0.5770,
0.3233


 13.3331, 0.5770,
0.3233


213.0416, 0.4216,
0.3399


 7.6583, 0.6209,
0.3107


 31.9009, 0.5157,
0.3347


 3.8771, 0.6833,
0.2904

 45.5628, 0.4939,
0.3371

 1.6051, 0.7525,
0.2475

 62.6557, 0.4762,
0.3386

 0.3610, 0.8596,
0.1404

 83.5643, 0.4614,
0.3394

 0.0000, 1.0000,
0.0000

 108.6727, 0.4491,
0.3398

 0.0000, 0.0000,
0.0000

 138.3655, 0.4385,

0.3400

173.0270, 0.4295,
0.3400

■ 13.3331, 0.5770,
0.3233

■ 13.3331, 0.5770,
0.3233

■ 12.2114, 0.6124,
0.3253

■ 15.1828, 0.5326,
0.3223

■ 11.6475, 0.6342,
0.3272

■ 17.8529, 0.4862,
0.3222

■ 11.6228, 0.6350,
0.3272

■ 21.4247, 0.4429,
0.3229

■ 25.9693, 0.4054,
0.3239

■ 31.5505, 0.3741,
0.3252

■ 38.2267, 0.3487,
0.3266

■ 46.0521, 0.3283,
0.3278

■ 55.0772, 0.3119,
0.3291

■ 65.3494, 0.2988,
0.3302

Harmonies

Analogous

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



13.3331, 0.4851, 0.2485



13.3331, 0.5770, 0.3233



13.3331, 0.5629, 0.4064

Triad

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



13.3331, 0.5770, 0.3233



13.3331, 0.2431, 0.5729



13.3331, 0.1348, 0.1409

Complementary

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



13.3331, 0.5770, 0.3233



43.0687, 0.2326, 0.3411

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.



13.3331, 0.1032, 0.1669



13.3331, 0.5770, 0.3233



13.3331, 0.1488, 0.4042

Square

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



13.3331, 0.5770, 0.3233



13.3331, 0.3614, 0.5923



13.3331, 0.1052, 0.2459



13.3331, 0.2078, 0.1486

Rectangle

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



13.3331, 0.5770, 0.3233



13.3331, 0.5122, 0.4722



13.3331, 0.1052, 0.2459



13.3331, 0.1203, 0.1453

Sweetspot

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



13.3339, 0.5770, 0.3233



62.3567, 0.3605, 0.3259



15.7318, 0.3074, 0.1584



12.7318, 0.3700, 0.3254



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.



13.3339, 0.5770, 0.3233



21.1276, 0.6288, 0.3271



22.3078, 0.5093, 0.4034



10.0861, 0.3281, 0.3279



7.5588, 0.6337, 0.3265



0.3295, 0.6111, 0.3140

Inverse Universe

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



13.3339, 0.5770, 0.3233



21.1276, 0.6288, 0.3271



19.7890, 0.1988, 0.2135



10.0861, 0.3281, 0.3279



7.5588, 0.6337, 0.3265



0.3295, 0.6111, 0.3140

Previews

White Background



This preview shows how the Yxy color 13.3331, 0.5770, 0.3233 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



This preview shows how the Yxy color 13.3331, 0.5770, 0.3233 looks on a 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 13.3331, 0.5770, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 13.3331, 0.5770, 0.3233.



This preview shows how white text looks on a background with the Yxy color 13.3331, 0.5770, 0.3233.

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

13.3331, 0.5770, 0.3233

Protanopia

13.5626, 0.3747, 0.4041

Deuteranopia

13.5424, 0.4437, 0.4364



Tritanopia

13.3481, 0.5856, 0.3298

Trichromacy



Original Color

13.3331, 0.5770, 0.3233

Protanomaly

11.8250, 0.4559, 0.3627

Deuteranomaly

12.2472, 0.5041, 0.3809

Tritanomaly

13.3698, 0.5817, 0.3274

Monochromacy



Original Color

13.3331, 0.5770, 0.3233

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.2970, 0.4171, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3331, 0.5770, 0.3233 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(195, 40, 48)` looks like.

```
.text, #text, p{  
    color:rgb(195, 40, 48)  
}
```

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(195, 40, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 40, 48) }
```

Border

The CSS property to change the border of an element to Yxy 13.3331, 0.5770, 0.3233 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(195, 40, 48) }
```

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

```
.border{ border-color:rgb(195, 40, 48) }
```

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

Here you see how a box with a 4 pixel rgb(195, 40, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 40, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 40, 48);  
box-shadow:4px 4px 4px 4px rgb(195, 40,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3331, 0.5770, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 40, 48) }
```

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

```
.background{ background-color: rgb(195, 40,  
48) }
```

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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