

Converting Colors

$Y_{xy}(12.9334, 0.5438, 0.3297)$

Have a look what the booklet for
Yxy(12.9334, 0.5438, 0.3297)
contains.

Yxy(12.9533, 0.5433, 0.3297)	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(12.9533, 0.5433, 0.3297)

Conversions

Conversions Part 1

Format	Color
Hex	B63737
RGB	182, 55, 55
RGB Percent	71%, 22%, 22%
CMY	0.2863, 0.7842, 0.7843
CMYK	0.00, 0.70, 0.70, 0.29
HSL	0°, 54%, 46%
HSV	0°, 70%, 71%
XYZ	21.3452, 12.9533, 4.9896
YIQ	92.9730, 75.6920, 26.9240

Conversions

Conversions Part 2

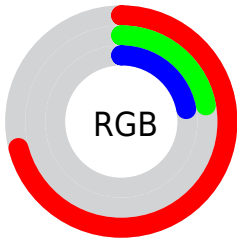
Format	Color
R_{YB}	182, 55, 55
Decimal	11941687
CIE Lab	42.69, 50.93, 29.62
CIE LCh	43, 58.921, 30.184
Yxy	12.9533, 0.5433, 0.3297
Android (android.graphics.Color)	4290131767 (0xFFB63737)
YUV	92.9730, -18.7207, 78.0767
Hunter-Lab	35.9907, 42.8805, 16.9738

Details

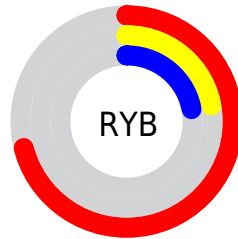
The Yxy color **12.9533, 0.5433, 0.3297** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **37.6311, 0.2336, 0.3287**, and the grayscale version is **10.9732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3443, 0.4876, 0.3375**, and **4.1641, 0.6234, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **11.3884, 0.5872, 0.3298**, and if you desaturate by 10%, it is **15.2212, 0.4957, 0.3296**.

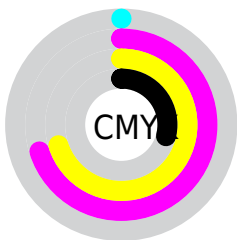
Distribution



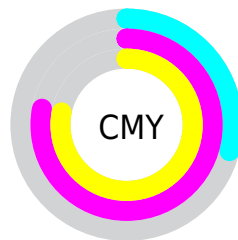
- Red (71%)
- Green (22%)
- Blue (22%)



- Red (71%)
- Yellow (22%)
- Blue (22%)



- Cyan (0%)
- Magenta (70%)
- Yellow (70%)
- Black (29%)





- Cyan (29%)
- Magenta (78%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9533, 0.5433, 0.3297 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 12.9533, 0.5433, 0.3297 by changing the saturation by 10% instead.


 12.9533, 0.5433,
0.3297


 12.9533, 0.5433,
0.3297


 210.6182, 0.4054,
0.3391


 7.3964, 0.5848,
0.3206


 31.2199, 0.4875,
0.3371


 3.7112, 0.6420,
0.3037

 44.6983, 0.4683,
0.3385


 1.5134, 0.7279,
0.2721

 61.5861, 0.4527,
0.3392

 0.2981, 0.8530,
0.1470

 82.2675, 0.4398,
0.3395

 0.0000, 1.0000,
0.0000

 107.1270, 0.4291,
0.3396

 0.0000, 0.0000,
0.0000

 136.5491, 0.4200,

0.3395

170.9180, 0.4122,
0.3393

■ 12.9533, 0.5433,
0.3297

■ 12.9533, 0.5433,
0.3297

■ 11.3884, 0.5872,
0.3298

■ 15.2212, 0.4957,
0.3296

■ 10.4427, 0.6202,
0.3299

■ 18.2590, 0.4505,
0.3294

■ 9.9540, 0.6397,
0.3300

■ 22.1285, 0.4110,
0.3293

■ 9.9444, 0.6401,
0.3300

■ 26.8844, 0.3780,
0.3292

■ 32.5768, 0.3511,
0.3291

■ 39.2523, 0.3296,
0.3291

■ 46.9540, 0.3124,
0.3290

■ 55.7228, 0.2986,
0.3290

■ 65.5971, 0.2874,
0.3289

Harmonies

Analogous

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



12.9533, 0.4610, 0.2588



12.9533, 0.5433, 0.3297



12.9533, 0.5384, 0.4078

Triad

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



12.9533, 0.5433, 0.3297



12.9533, 0.2578, 0.5338



12.9533, 0.1520, 0.1596

Complementary

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



12.9533, 0.5433, 0.3297



37.6311, 0.2336, 0.3287

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.



12.9533, 0.1224, 0.1862



12.9533, 0.5433, 0.3297



12.9533, 0.1700, 0.3962

Square

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



12.9533, 0.5433, 0.3297



12.9533, 0.3659, 0.5594



12.9533, 0.1262, 0.2606



12.9533, 0.2199, 0.1660

Rectangle

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



12.9533, 0.5433, 0.3297



12.9533, 0.4963, 0.4646



12.9533, 0.1262, 0.2606



12.9533, 0.1383, 0.1643

Sweetspot

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



12.9541, 0.5433, 0.3297



57.3256, 0.3550, 0.3291



16.0530, 0.3199, 0.1765



12.0129, 0.3620, 0.3292



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.9541, 0.5433, 0.3297



19.5548, 0.6076, 0.3299



23.2931, 0.4691, 0.4121



9.0125, 0.3288, 0.3291



7.0237, 0.6401, 0.3300



0.2477, 0.6400, 0.3300

Inverse Universe

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



37.6311, 0.2336, 0.3287



67.1689, 0.2272, 0.3287



17.2628, 0.2056, 0.2144



10.2104, 0.2985, 0.3290



26.0020, 0.2246, 0.3287



0.9167, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 12.9533, 0.5433, 0.3297 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 12.9533, 0.5433, 0.3297 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 12.9533, 0.5433, 0.3297

Background



This preview shows how black text looks on a background with the Yxy color 12.9533, 0.5433, 0.3297.



This preview shows how white text looks on a background with the Yxy color 12.9533, 0.5433, 0.3297.

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

12.9533, 0.5433, 0.3297

Protanopia

13.2856, 0.3667, 0.3945

Deuteranopia

13.1984, 0.4292, 0.4224



Tritanopia

12.9729, 0.5401, 0.3275

Trichromacy



Original Color

12.9533, 0.5433, 0.3297

Protanomaly

12.1246, 0.4327, 0.3647

Deuteranomaly

12.3846, 0.4751, 0.3804

Tritanomaly

12.9630, 0.5417, 0.3286

Monochromacy



Original Color

12.9533, 0.5433, 0.3297

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.5165, 0.3965, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9533, 0.5433, 0.3297 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(182, 55, 55)` looks like.

```
.text, #text, p{  
    color:rgb(182, 55, 55)  
}
```

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(182, 55, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 55, 55) }
```

Border

The CSS property to change the border of an element to Yxy 12.9533, 0.5433, 0.3297 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(182, 55, 55) }
```

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

```
.border{ border-color:rgb(182, 55, 55) }
```

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

Here you see how a box with a 4 pixel rgb(182, 55, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 55, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 55, 55);  
box-shadow:4px 4px 4px 4px rgb(182, 55,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9533, 0.5433, 0.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 55, 55) }
```

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

```
.background{ background-color: rgb(182, 55,  
55) }
```

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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