

Converting Colors

$Yxy(9.9590, 0.5947, 0.3298)$

Have a look what the booklet for
Yxy(9.9590, 0.5947, 0.3298)
contains.

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Color

Yxy(9.9631, 0.5949, 0.3298)

Conversions

Conversions Part 1

Format	Color
Hex	AD1F1F
RGB	173, 31, 31
RGB Percent	68%, 12%, 12%
CMY	0.3216, 0.8784, 0.8783
CMYK	0.00, 0.82, 0.82, 0.32
HSL	360°, 70%, 40%
HSV	360°, 82%, 68%
XYZ	17.9716, 9.9631, 2.2748
YIQ	73.4580, 84.6320, 30.1040

Conversions

Conversions Part 2

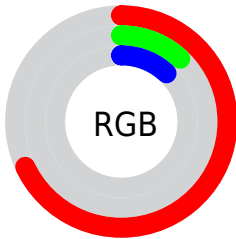
Format	Color
R_{YB}	173, 31, 31
Decimal	11345695
CIE _{Lab}	37.78, 55.19, 37.63
CIE _{LCh}	38, 66.798, 34.291
Yxy	9.9631, 0.5949, 0.3298
Android (android.graphics.Color)	4289535775 (0xFFAD1F1F)
YUV	73.4580, -20.9318, 87.2983
Hunter-Lab	31.5644, 46.3939, 17.8222

Details

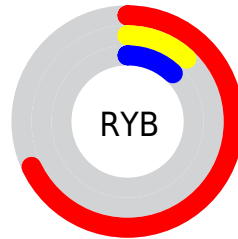
The Yxy color **9.9631, 0.5949, 0.3298** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **33.1950, 0.2283, 0.3288**, and the grayscale version is **6.7746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8368, 0.5270, 0.3435**, and **3.4447, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.2216, 0.6248, 0.3299**, and if you desaturate by 10%, it is **11.2394, 0.5527, 0.3297**.

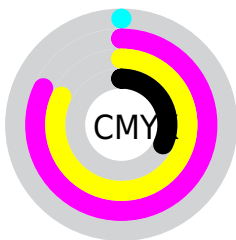
Distribution



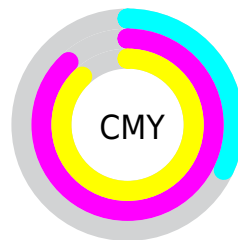
- Red (68%)
- Green (12%)
- Blue (12%)



- Red (68%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (32%)





- Cyan (32%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 9.9631, 0.5949, 0.3298 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 9.9631, 0.5949, 0.3298 by changing the saturation by 10% instead.


 9.9631, 0.5949,
0.3298


 9.9631, 0.5949,
0.3298


190.4085, 0.4245,
0.3458


 5.3745, 0.6442,
0.3139

 25.7261, 0.5268,
0.3429

 2.4686, 0.7137,
0.2863

 37.6692, 0.5028,
0.3452

 0.8609, 0.7759,
0.2241

 52.8327, 0.4833,
0.3464

 0.0000, 1.0000,
0.0000

 71.6009, 0.4673,
0.3468


 0.0000, 0.0000,
0.0000


 94.3582, 0.4539,
0.3468


 121.4889, 0.4426,


0.3466


 153.3776, 0.4329,
0.3462


 9.9631, 0.5949,
0.3298


 9.9631, 0.5949,
0.3298


 9.2216, 0.6248,
0.3299


 11.2394, 0.5527,
0.3297

 8.8845, 0.6400,
0.3300

 13.1237, 0.5055,
0.3295

 15.6796, 0.4596,
0.3294

 18.9624, 0.4189,
0.3293

 23.0214, 0.3846,
0.3292

■ 27.9019, 0.3566,
0.3291

■ 33.6455, 0.3340,
0.3291

■ 40.2911, 0.3160,
0.3290

■ 47.8751, 0.3015,
0.3290

Harmonies

Analogous

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



9.9631, 0.5134, 0.2532



9.9631, 0.5949, 0.3298



9.9631, 0.5667, 0.4188

Triad

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



9.9631, 0.5949, 0.3298



9.9631, 0.2217, 0.5749



9.9631, 0.1344, 0.1327

Complementary

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



9.9631, 0.5949, 0.3298



33.1950, 0.2283, 0.3288

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.



9.9631, 0.0977, 0.1534



9.9631, 0.5949, 0.3298



9.9631, 0.1314, 0.3819

Square

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



9.9631, 0.5949, 0.3298



9.9631, 0.3430, 0.6141



9.9631, 0.0946, 0.2249



9.9631, 0.2159, 0.1447

Rectangle

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



9.9631, 0.5949, 0.3298



9.9631, 0.5085, 0.4915



9.9631, 0.0946, 0.2249



9.9631, 0.1180, 0.1355

Sweetspot

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



9.9637, 0.5949, 0.3298



46.8663, 0.3653, 0.3291



12.6144, 0.3172, 0.1617



9.5417, 0.3748, 0.3292



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



9.9637, 0.5949, 0.3298



16.0187, 0.6373, 0.3300



18.0280, 0.5041, 0.4130



8.0154, 0.3286, 0.3290



6.5269, 0.6400, 0.3300



0.1816, 0.6399, 0.3299

Inverse Universe

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



9.9637, 0.5949, 0.3298



16.0187, 0.6373, 0.3300



13.2837, 0.1932, 0.1960



8.0154, 0.3286, 0.3290



6.5269, 0.6400, 0.3300



0.1816, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 9.9631, 0.5949, 0.3298 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 ✓ Pass

Black Background



This preview shows how the Yxy color 9.9631, 0.5949, 0.3298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 9.9631, 0.5949, 0.3298

Background



This preview shows how black text looks on a background with the Yxy color 9.9631, 0.5949, 0.3298.



This preview shows how white text looks on a background with the Yxy color 9.9631, 0.5949, 0.3298.

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

9.9631, 0.5949, 0.3298

Protanopia

10.2189, 0.3971, 0.4314

Deuteranopia

10.2704, 0.4593, 0.4553



Tritanopia

9.9579, 0.5962, 0.3306

Trichromacy



Original Color

9.9631, 0.5949, 0.3298

Protanomaly

8.9284, 0.4813, 0.3810

Deuteranomaly

9.1015, 0.5249, 0.3956

Tritanomaly

9.9579, 0.5962, 0.3306

Monochromacy



Original Color

9.9631, 0.5949, 0.3298

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

6.5828, 0.4294, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 9.9631, 0.5949, 0.3298 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(173, 31, 31)` looks like.

```
.text, #text, p{  
  color:rgb(173, 31, 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(173, 31, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 31, 31) }
```

Border

The CSS property to change the border of an element to Yxy 9.9631, 0.5949, 0.3298 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(173, 31, 31) }
```

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

```
.border{ border-color:rgb(173, 31, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 31, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 31, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 31, 31);  
box-shadow:4px 4px 4px 4px rgb(173, 31,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 9.9631, 0.5949, 0.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 31, 31) }
```

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

```
.background{ background-color: rgb(173, 31,  
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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