

Converting Colors

$Y_{xy}(13.9192, 0.6376, 0.3320)$

Have a look what the booklet for
Yxy(13.9192, 0.6376, 0.3320)
contains.

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Color

Yxy(13.8970, 0.6374, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	D20900
RGB	210, 9, 0
RGB Percent	82%, 4%, 0%
CMY	0.1765, 0.9641, 1.0000
CMYK	0.00, 0.96, 1.00, 0.18
HSL	3°, 100%, 41%
HSV	3°, 100%, 82%
XYZ	26.6725, 13.8970, 1.2763
YIQ	68.0730, 122.6850, 39.8130

Conversions

Conversions Part 2

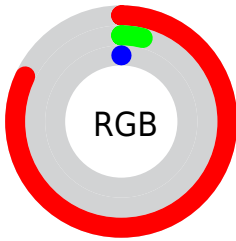
Format	Color
R_{YB}	210, 9, 0
Decimal	13764864
CIE _{Lab}	44.08, 68.36, 58.16
CIE _{LCh}	44, 89.758, 40.391
Yxy	13.8970, 0.6374, 0.3321
Android (android.graphics.Color)	4291954944 (0xFFD20900)
YUV	68.0730, -33.5600, 124.4700
Hunter-Lab	37.2787, 62.4773, 24.0652

Details

The Yxy color **13.8970, 0.6374, 0.3321** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **46.3444, 0.2209, 0.3152**, and the grayscale version is **5.8480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6711, 0.5630, 0.3549**, and **6.0197, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.8979, 0.6374, 0.3321**, and if you desaturate by 10%, it is **14.6438, 0.6185, 0.3336**.

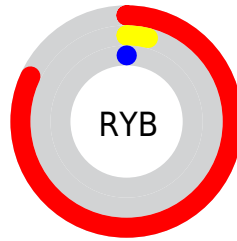
Distribution



Red (82%)

Green (4%)

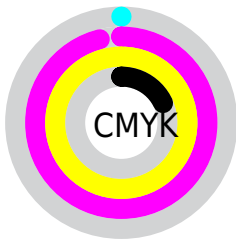
Blue (0%)



Red (82%)

Yellow (4%)

Blue (0%)

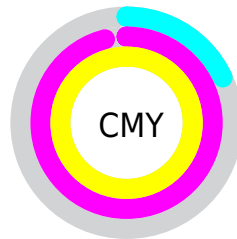


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (96%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8970, 0.6374, 0.3321 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 13.8970, 0.6374, 0.3321 by changing the saturation by 10% instead.


 13.8970, 0.6374,
0.3321


 13.8970, 0.6374,
0.3321


 216.5891, 0.4601,
0.3582


 8.0491, 0.6834,
0.3150


 32.9062, 0.5744,
0.3514


 4.1264, 0.7210,
0.2790

 46.8362, 0.5497,
0.3555

 1.7445, 0.7720,
0.2280

 64.2290, 0.5287,
0.3578

 0.4522, 0.8621,
0.1379

 85.4690, 0.5108,
0.3589


 0.0000, 1.0000,
0.0000

 110.9407, 0.4954,
0.3592

 0.0000, 0.0000,
0.0000


 141.0283, 0.4820,


0.3591

 176.1163, 0.4704,
0.3587

 13.8970, 0.6374,
0.3321


 13.8970, 0.6374,
0.3321

 13.8979, 0.6374,
0.3321

 14.6438, 0.6185,
0.3336

 16.0900, 0.5854,
0.3352

 18.3642, 0.5418,
0.3359

 21.5653, 0.4949,
0.3358

 25.7782, 0.4504,
0.3350

■ 31.0782, 0.4113,
0.3339

■ 37.5336, 0.3785,
0.3327

■ 45.2069, 0.3517,
0.3314

■ 54.1563, 0.3301,
0.3301

Harmonies

Analogous

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



13.8970, 0.5808, 0.2535



13.8970, 0.6374, 0.3321



13.8970, 0.5694, 0.4306

Triad

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



13.8970, 0.6374, 0.3321



13.8970, 0.1730, 0.5957



13.8970, 0.1259, 0.1104

Complementary

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



13.8970, 0.6374, 0.3321



46.3444, 0.2209, 0.3152

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.



13.8970, 0.0802, 0.1223



13.8970, 0.6374, 0.3321



13.8970, 0.0921, 0.3384

Square

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



13.8970, 0.6374, 0.3321



13.8970, 0.2991, 0.6749



13.8970, 0.0686, 0.1810



13.8970, 0.2259, 0.1294

Rectangle

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



13.8970, 0.6374, 0.3321



13.8970, 0.4855, 0.5145



13.8970, 0.0686, 0.1810



13.8970, 0.1059, 0.1107

Sweetspot

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



13.8979, 0.6374, 0.3321



57.8833, 0.3795, 0.3327



18.0101, 0.3295, 0.1589



11.4326, 0.3928, 0.3332



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.



13.8979, 0.6374, 0.3321



21.5021, 0.6380, 0.3317



25.2855, 0.5321, 0.4157



11.8897, 0.3290, 0.3301



8.5171, 0.6365, 0.3328



0.5059, 0.6253, 0.3417

Inverse Universe

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



46.3444, 0.2209, 0.3152



71.8490, 0.2209, 0.3151



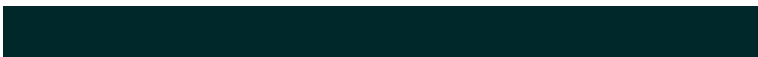
13.3862, 0.1737, 0.1454



13.3150, 0.2983, 0.3279



28.3143, 0.2210, 0.3154



1.6111, 0.2217, 0.3181

Previews

White Background



This preview shows how the Yxy color 13.8970, 0.6374, 0.3321 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 13.8970, 0.6374, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 13.8970, 0.6374, 0.3321.



This preview shows how white text looks on a background with the Yxy color 13.8970, 0.6374, 0.3321.

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

13.8970, 0.6374, 0.3321

Protanopia

14.3091, 0.4265, 0.4709

Deuteranopia

14.3757, 0.4692, 0.4657



Tritanopia

14.0211, 0.6338, 0.3350

Trichromacy



Original Color

13.8970, 0.6374, 0.3321

Protanomaly

11.2223, 0.5386, 0.3949

Deuteranomaly

11.8156, 0.5624, 0.3916

Tritanomaly

13.8970, 0.6354, 0.3337

Monochromacy



Original Color

13.8970, 0.6374, 0.3321

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

6.2005, 0.5000, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8970, 0.6374, 0.3321 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(210, 9, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 9, 0)  
}
```

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(210, 9, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 9, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.8970, 0.6374, 0.3321 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(210, 9, 0) }
```

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

```
.border{ border-color:rgb(210, 9, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 9, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 9, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(210, 9, 0); box-shadow:4px  
4px 4px 4px rgb(210, 9, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8970, 0.6374, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 9, 0) }
```

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

```
.background{ background-color: rgb(210, 9,  
0) }
```

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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