

Converting Colors

$Yxy(13.6770, 0.5999, 0.3093)$

Have a look what the booklet for
Yxy(13.6770, 0.5999, 0.3093)
contains.

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Color

Yxy(13.7101, 0.5997, 0.3092)

Conversions

Conversions Part 1

Format	Color
Hex	D00430
RGB	208, 4, 48
RGB Percent	82%, 2%, 19%
CMY	0.1843, 0.9844, 0.8118
CMYK	0.00, 0.98, 0.77, 0.18
HSL	347°, 96%, 42%
HSV	347°, 98%, 82%
XYZ	26.5910, 13.7101, 4.0394
YIQ	70.0120, 107.4600, 56.9320

Conversions

Conversions Part 2

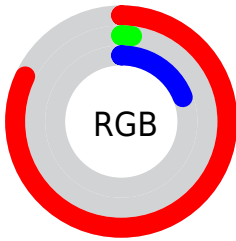
Format	Color
R_{YB}	208, 4, 48
Decimal	13632560
CIE _{Lab}	43.81, 69.20, 36.42
CIE _{LCh}	44, 78.197, 27.762
Yxy	13.7101, 0.5997, 0.3092
Android (android.graphics.Color)	4291822640 (0xFFD00430)
YUV	70.0120, -10.8519, 121.0155
Hunter-Lab	37.0272, 63.3922, 19.4508

Details

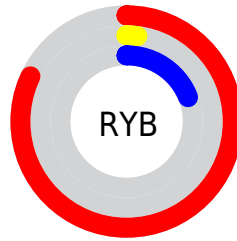
The Yxy color **13.7101, 0.5997, 0.3092** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **47.8224, 0.2444, 0.3987**, and the grayscale version is **6.1303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0476, 0.5222, 0.3244**, and **5.9381, 0.6361, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **13.5995, 0.6049, 0.3106**, and if you desaturate by 10%, it is **14.4709, 0.5684, 0.3014**.

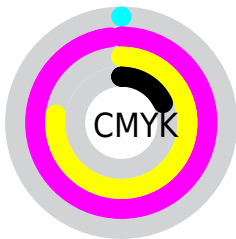
Distribution



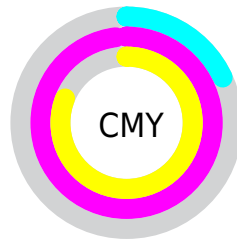
- Red (82%)
- Green (2%)
- Blue (19%)



- Red (82%)
- Yellow (2%)
- Blue (19%)



- Cyan (0%)
- Magenta (98%)
- Yellow (77%)
- Black (18%)





- Cyan (18%)
- Magenta (98%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7101, 0.5997, 0.3092 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 13.7101, 0.5997, 0.3092 by changing the saturation by 10% instead.


 13.7101, 0.5997,
0.3092


 13.7101, 0.5997,
0.3092


215.4198, 0.4329,
0.3356


 7.9193, 0.6453,
0.2937


 32.5738, 0.5348,
0.3247


 4.0434, 0.7086,
0.2698

 46.4154, 0.5114,
0.3285


 1.6978, 0.7758,
0.2242

 63.7095, 0.4923,
0.3311

 0.4223, 0.8694,
0.1306

 84.8404, 0.4763,
0.3328

 0.0000, 1.0000,
0.0000

 110.1924, 0.4629,
0.3340

 0.0000, 0.0000,
0.0000

 140.1501, 0.4514,

0.3347

175.0978, 0.4415,
0.3352

■ 13.7101, 0.5997,
0.3092

■ 13.7101, 0.5997,
0.3092

■ 13.5995, 0.6049,
0.3106

■ 14.4709, 0.5684,
0.3014

■ 15.9214, 0.5302,
0.2968

■ 18.2149, 0.4895,
0.2958

■ 21.4561, 0.4504,
0.2979

■ 25.7342, 0.4153,
0.3021

■ 31.1282, 0.3854,
0.3075

■ 37.7094, 0.3605,
0.3133

■ 45.5429, 0.3402,
0.3191

■ 54.6895, 0.3237,
0.3247

Harmonies

Analogous

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



13.7101, 0.4900, 0.2330



13.7101, 0.5997, 0.3092



13.7101, 0.5872, 0.3939

Triad

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



13.7101, 0.5997, 0.3092



13.7101, 0.2410, 0.6171



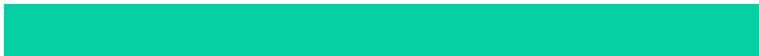
13.7101, 0.1171, 0.1277

Complementary

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



13.7101, 0.5997, 0.3092



47.8224, 0.2444, 0.3987

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.



13.7101, 0.0878, 0.1569



13.7101, 0.5997, 0.3092



13.7101, 0.1389, 0.4317

Square

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



13.7101, 0.5997, 0.3092



13.7101, 0.3683, 0.6119



13.7101, 0.0914, 0.2457



13.7101, 0.1886, 0.1335

Rectangle

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



13.7101, 0.5997, 0.3092



13.7101, 0.5340, 0.4660



13.7101, 0.0914, 0.2457



13.7101, 0.1035, 0.1329

Sweetspot

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



13.7110, 0.5997, 0.3092



58.3592, 0.3634, 0.3125



12.5127, 0.2673, 0.1253



11.4994, 0.3738, 0.3100



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.



13.7110, 0.5997, 0.3092



21.5358, 0.6074, 0.3120



16.8426, 0.5968, 0.3623



11.8494, 0.3257, 0.3240



8.4870, 0.6017, 0.3088



0.4866, 0.5494, 0.2800

Inverse Universe

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



13.7110, 0.5997, 0.3092



21.5358, 0.6074, 0.3120



26.4575, 0.1990, 0.2353



11.8494, 0.3257, 0.3240



8.4870, 0.6017, 0.3088



0.4866, 0.5494, 0.2800

Previews

White Background



This preview shows how the Yxy color 13.7101, 0.5997, 0.3092 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 13.7101, 0.5997, 0.3092 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 13.7101, 0.5997, 0.3092

Background



This preview shows how black text looks on a background with the Yxy color 13.7101, 0.5997, 0.3092.



This preview shows how white text looks on a background with the Yxy color 13.7101, 0.5997, 0.3092.

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

13.7101, 0.5997, 0.3092

Protanopia

14.1616, 0.3696, 0.3967

Deuteranopia

14.1412, 0.4481, 0.4408



Tritanopia

13.7899, 0.6285, 0.3328

Trichromacy



Original Color

13.7101, 0.5997, 0.3092

Protanomaly

10.8003, 0.4731, 0.3360

Deuteranomaly

11.4074, 0.5323, 0.3621

Tritanomaly

13.6454, 0.6229, 0.3263

Monochromacy



Original Color

13.7101, 0.5997, 0.3092

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.2949, 0.4534, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7101, 0.5997, 0.3092 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(208, 4, 48)` looks like.

```
.text, #text, p{  
  color:rgb(208, 4, 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(208, 4, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 4, 48) }
```

Border

The CSS property to change the border of an element to Yxy 13.7101, 0.5997, 0.3092 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(208, 4, 48) }
```

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

```
.border{ border-color:rgb(208, 4, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 4, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 4, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 4, 48);  
box-shadow:4px 4px 4px 4px rgb(208, 4, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7101, 0.5997, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 4, 48) }
```

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

```
.background{ background-color: rgb(208, 4,  
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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