

Converting Colors

$Yxy(13.0979, 0.6363, 0.3330)$

Have a look what the booklet for
Yxy(13.0979, 0.6363, 0.3330)
contains.

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Color

Yxy(13.1003, 0.6363, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	CC0C00
RGB	204, 12, 0
RGB Percent	80%, 5%, 0%
CMY	0.2000, 0.9527, 1.0000
CMYK	0.00, 0.94, 1.00, 0.20
HSL	4°, 100%, 40%
HSV	4°, 100%, 80%
XYZ	25.0322, 13.1003, 1.2077
YIQ	68.0400, 118.2840, 36.9720

Conversions

Conversions Part 2

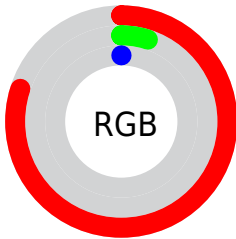
Format	Color
RYB	204, 13, 0
Decimal	13372416
CIELab	42.91, 66.56, 56.97
CIELCh	43, 87.611, 40.563
Yxy	13.1003, 0.6363, 0.3330
Android (android.graphics.Color)	4291562496 (0xFFCC0C00)
YUV	68.0400, -33.5437, 119.2369
Hunter-Lab	36.1943, 60.1115, 23.3576

Details

The Yxy color **13.1003, 0.6363, 0.3330** 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 **42.0265, 0.2195, 0.3103**, and the grayscale version is **5.8346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4965, 0.5647, 0.3547**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.1013, 0.6363, 0.3330**, and if you desaturate by 10%, it is **13.8823, 0.6162, 0.3351**.

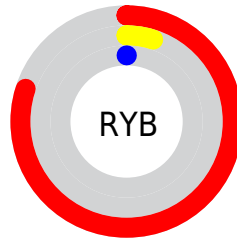
Distribution



Red (80%)

Green (5%)

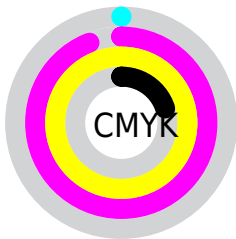
Blue (0%)



Red (80%)

Yellow (5%)

Blue (0%)

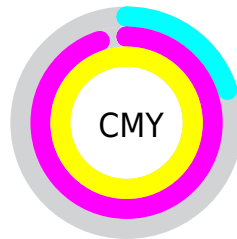


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (95%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1003, 0.6363, 0.3330 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 13.1003, 0.6363, 0.3330 by changing the saturation by 10% instead.


 13.1003, 0.6363,
0.3330


 13.1003, 0.6363,
0.3330


 211.5595, 0.4579,
0.3583


 7.4977, 0.6840,
0.3160


 31.4839, 0.5724,
0.3523

 3.7752, 0.7215,
0.2785

 45.0336, 0.5475,
0.3563

 1.5486, 0.7743,
0.2257

 62.0011, 0.5264,
0.3584

 0.3226, 0.8844,
0.1156

 82.7708, 0.5084,
0.3593


 0.0000, 1.0000,
0.0000


 107.7271, 0.4930,
0.3596


 0.0000, 0.0000,
0.0000


 137.2544, 0.4796,

0.3594


 171.7370, 0.4680,
0.3589


 13.1003, 0.6363,
0.3330

 13.1003, 0.6363,
0.3330

 13.1013, 0.6363,
0.3330

 13.8823, 0.6162,
0.3351

 15.3155, 0.5826,
0.3372

 17.5119, 0.5391,
0.3382

 20.5577, 0.4928,
0.3380

 24.5277, 0.4488,
0.3370

■ 29.4884, 0.4103,
0.3356

■ 35.5002, 0.3780,
0.3339

■ 42.6187, 0.3515,
0.3322

■ 50.8957, 0.3300,
0.3305

Harmonies

Analogous

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



13.1003, 0.5805, 0.2543



13.1003, 0.6363, 0.3330



13.1003, 0.5684, 0.4316

Triad

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



13.1003, 0.6363, 0.3330



13.1003, 0.1731, 0.5929



13.1003, 0.1268, 0.1109

Complementary

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



13.1003, 0.6363, 0.3330



42.0265, 0.2195, 0.3103

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.



13.1003, 0.0809, 0.1227



13.1003, 0.6363, 0.3330



13.1003, 0.0925, 0.3372

Square

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



13.1003, 0.6363, 0.3330



13.1003, 0.2990, 0.6742



13.1003, 0.0692, 0.1811



13.1003, 0.2271, 0.1302

Rectangle

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



13.1003, 0.6363, 0.3330



13.1003, 0.4848, 0.5152



13.1003, 0.0692, 0.1811



13.1003, 0.1067, 0.1112

Sweetspot

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



13.1013, 0.6363, 0.3330



58.3721, 0.3791, 0.3339



16.7225, 0.3339, 0.1613



11.5434, 0.3923, 0.3347



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.



13.1013, 0.6363, 0.3330



21.6041, 0.6371, 0.3324



24.4686, 0.5270, 0.4198



11.3184, 0.3289, 0.3304



8.2929, 0.6352, 0.3338



0.4660, 0.6194, 0.3464

Inverse Universe

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



42.0265, 0.2195, 0.3103



69.4897, 0.2195, 0.3101



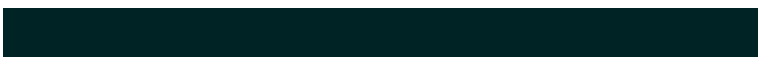
11.9787, 0.1723, 0.1404



12.6089, 0.2984, 0.3276



26.5022, 0.2196, 0.3106



1.4025, 0.2207, 0.3144

Previews

White Background



This preview shows how the Yxy color 13.1003, 0.6363, 0.3330 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 13.1003, 0.6363, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 13.1003, 0.6363, 0.3330.



This preview shows how white text looks on a background with the Yxy color 13.1003, 0.6363, 0.3330.

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

13.1003, 0.6363, 0.3330

Protanopia

13.4881, 0.4270, 0.4706

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.1291, 0.6338, 0.3349

Trichromacy



Original Color

13.1003, 0.6363, 0.3330

Protanomaly

10.7167, 0.5361, 0.3961

Deuteranomaly

11.1824, 0.5600, 0.3936

Tritanomaly

13.0671, 0.6347, 0.3342

Monochromacy



Original Color

13.1003, 0.6363, 0.3330

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

6.0702, 0.4935, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1003, 0.6363, 0.3330 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(204, 12, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 12, 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(204, 12, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 12, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1003, 0.6363, 0.3330 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(204, 12, 0) }
```

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

```
.border{ border-color:rgb(204, 12, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 12, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 12, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 12, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 12, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1003, 0.6363, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 12, 0) }
```

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

```
.background{ background-color: rgb(204, 12,  
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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