

Converting Colors

$Y_{xy}(13.1184, 0.6249, 0.3258)$

Have a look what the booklet for
Yxy(13.1184, 0.6249, 0.3258)
contains.

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Color

Yxy(13.1124, 0.6253, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	CC0A16
RGB	204, 10, 22
RGB Percent	80%, 4%, 9%
CMY	0.1999, 0.9610, 0.9138
CMYK	0.00, 0.95, 0.89, 0.20
HSL	356°, 91%, 42%
HSV	356°, 95%, 80%
XYZ	25.1586, 13.1124, 1.9634
YIQ	69.3740, 111.7720, 44.8600

Conversions

Conversions Part 2

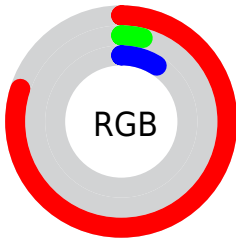
Format	Color
RYB	204, 10, 22
Decimal	13371926
CIELab	42.93, 67.02, 49.16
CIElCh	43, 83.115, 36.262
Yxy	13.1124, 0.6253, 0.3259
Android (android.graphics.Color)	4291562006 (0xFFCC0A16)
YUV	69.3740, -23.3554, 118.0670
Hunter-Lab	36.2110, 60.6483, 22.1329

Details

The Yxy color **13.1124, 0.6253, 0.3259** 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 **47.0617, 0.2304, 0.3471**, and the grayscale version is **6.0350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6691, 0.5504, 0.3445**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8679, 0.6342, 0.3267**, and if you desaturate by 10%, it is **13.9463, 0.5972, 0.3231**.

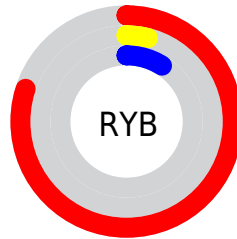
Distribution



Red (80%)

Green (4%)

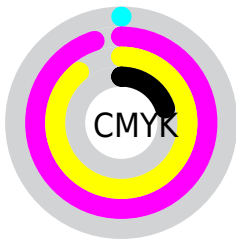
Blue (9%)



Red (80%)

Yellow (4%)

Blue (9%)

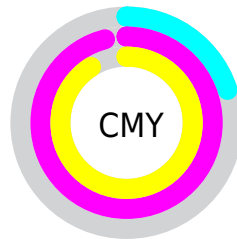


Cyan (0%)

Magenta (95%)

Yellow (89%)

Black (20%)



Cyan (20%)


Magenta (96%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1124, 0.6253, 0.3259 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 13.1124, 0.6253, 0.3259 by changing the saturation by 10% instead.


 13.1124, 0.6253,
0.3259


 13.1124, 0.6253,
0.3259


211.6368, 0.4483,
0.3502


 7.5060, 0.6701,
0.3081


 31.5056, 0.5594,
0.3432


 3.7805, 0.7226,
0.2774

 45.0611, 0.5347,
0.3469

 1.5516, 0.7755,
0.2245

 62.0352, 0.5140,
0.3490

 0.3246, 0.8849,
0.1151

 82.8121, 0.4965,
0.3501


 0.0000, 1.0000,
0.0000


 107.7764, 0.4817,
0.3506


 0.0000, 0.0000,
0.0000


 137.3123, 0.4690,


0.3506


 171.8043, 0.4579,
0.3505

 13.1124, 0.6253,
0.3259

 13.1124, 0.6253,
0.3259


 12.8679, 0.6342,
0.3267

 13.9463, 0.5972,
0.3231

 15.5135, 0.5569,
0.3212

 17.9343, 0.5110,
0.3205

 21.3067, 0.4657,
0.3209

 25.7156, 0.4250,
0.3220

■ 31.2363, 0.3904,
0.3234

■ 37.9373, 0.3620,
0.3251

■ 45.8815, 0.3391,
0.3267

■ 55.1273, 0.3207,
0.3282

Harmonies

Analogous

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



13.1124, 0.5483, 0.2478



13.1124, 0.6253, 0.3259



13.1124, 0.5794, 0.4206

Triad

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



13.1124, 0.6253, 0.3259



13.1124, 0.1974, 0.6042



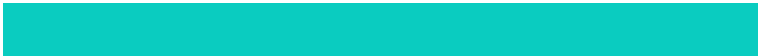
13.1124, 0.1236, 0.1170

Complementary

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



13.1124, 0.6253, 0.3259



47.0617, 0.2304, 0.3471

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.



13.1124, 0.0836, 0.1343



13.1124, 0.6253, 0.3259



13.1124, 0.1082, 0.3705

Square

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



13.1124, 0.6253, 0.3259



13.1124, 0.3246, 0.6511



13.1124, 0.0768, 0.2026



13.1124, 0.2128, 0.1317

Rectangle

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



13.1124, 0.6253, 0.3259



13.1124, 0.5031, 0.4969



13.1124, 0.0768, 0.2026



13.1124, 0.1059, 0.1188

Sweetspot

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



13.1132, 0.6253, 0.3259



57.8581, 0.3734, 0.3244



15.6625, 0.3049, 0.1469



11.3841, 0.3860, 0.3237



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.



13.1132, 0.6253, 0.3259



21.2969, 0.6354, 0.3274



20.8735, 0.5504, 0.3966



11.2248, 0.3280, 0.3276



8.1026, 0.6327, 0.3259



0.4220, 0.6086, 0.3126

Inverse Universe

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



13.1132, 0.6253, 0.3259



21.2969, 0.6354, 0.3274



17.8369, 0.1862, 0.1873



11.2248, 0.3280, 0.3276



8.1026, 0.6327, 0.3259



0.4220, 0.6086, 0.3126

Previews

White Background



This preview shows how the Yxy color 13.1124, 0.6253, 0.3259 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 13.1124, 0.6253, 0.3259 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 13.1124, 0.6253, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 13.1124, 0.6253, 0.3259.



This preview shows how white text looks on a background with the Yxy color 13.1124, 0.6253, 0.3259.

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

13.1124, 0.6253, 0.3259

Protanopia

13.4985, 0.4133, 0.4535

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.1291, 0.6338, 0.3349

Trichromacy



Original Color

13.1124, 0.6253, 0.3259

Protanomaly

10.5691, 0.5207, 0.3812

Deuteranomaly

11.0821, 0.5576, 0.3887

Tritanomaly

13.0557, 0.6315, 0.3319

Monochromacy



Original Color

13.1124, 0.6253, 0.3259

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.2134, 0.4733, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1124, 0.6253, 0.3259 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, 10, 22)` looks like.

```
.text, #text, p{  
    color:rgb(204, 10, 22)  
}
```

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, 10, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 10, 22) }
```

Border

The CSS property to change the border of an element to Yxy 13.1124, 0.6253, 0.3259 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, 10, 22) }
```

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

```
.border{ border-color:rgb(204, 10, 22) }
```

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

Here you see how a box with a 4 pixel rgb(204, 10, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 10, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 10, 22);  
box-shadow:4px 4px 4px 4px rgb(204, 10,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1124, 0.6253, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 10, 22) }
```

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

```
.background{ background-color: rgb(204, 10,  
22) }
```

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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