

Converting Colors

$Y_{xy}(13.4039, 0.6225, 0.3299)$

Have a look what the booklet for
Yxy(13.4039, 0.6225, 0.3299)
contains.

Yxy(13.3882, 0.6229, 0.3299)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.3882, 0.6229, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	CC1414
RGB	204, 20, 20
RGB Percent	80%, 8%, 8%
CMY	0.2000, 0.9215, 0.9214
CMYK	0.00, 0.90, 0.90, 0.20
HSL	360°, 82%, 44%
HSV	360°, 90%, 80%
XYZ	25.2789, 13.3882, 1.9155
YIQ	75.0160, 109.6640, 39.0080

Conversions

Conversions Part 2

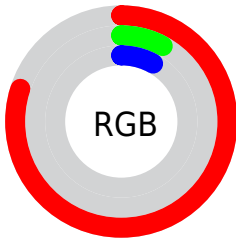
Format	Color
R_{YB}	204, 20, 20
Decimal	13374484
CIE Lab	43.34, 65.76, 50.30
CIE LCh	43, 82.791, 37.412
Yxy	13.3882, 0.6229, 0.3299
Android (android.graphics.Color)	4291564564 (0xFFCC1414)
YUV	75.0160, -27.1229, 113.1190
Hunter-Lab	36.5899, 59.2882, 22.5091

Details

The Yxy color **13.3882, 0.6229, 0.3299** 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 **47.6936, 0.2260, 0.3288**, and the grayscale version is **7.0767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1474, 0.5498, 0.3484**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8376, 0.6401, 0.3300**, and if you desaturate by 10%, it is **14.5395, 0.5913, 0.3298**.

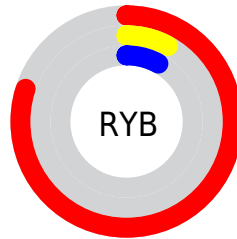
Distribution



Red (80%)

Green (8%)

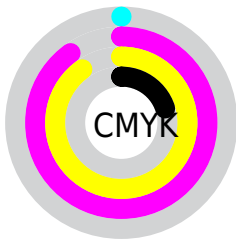
Blue (8%)



Red (80%)

Yellow (8%)

Blue (8%)

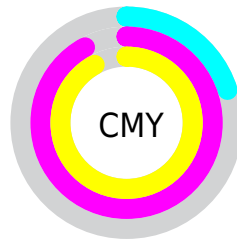


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (20%)



Cyan (20%)


Magenta (92%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3882, 0.6229, 0.3299 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 13.3882, 0.6229, 0.3299 by changing the saturation by 10% instead.


 13.3882, 0.6229,
0.3299

 13.3882, 0.6229,
0.3299


213.3908, 0.4481,
0.3521


 7.6964, 0.6669,
0.3127


 31.9995, 0.5581,
0.3465


 3.9013, 0.7175,
0.2825

 45.6877, 0.5337,
0.3499

 1.6185, 0.7695,
0.2305

 62.8102, 0.5133,
0.3518

 0.3700, 0.8721,
0.1279

 83.7514, 0.4960,
0.3527


 0.0000, 1.0000,
0.0000

 108.8957, 0.4813,
0.3530

 0.0000, 0.0000,
0.0000

 138.6274, 0.4686,


0.3529

 173.3310, 0.4577,
0.3526

 13.3882, 0.6229,
0.3299


 13.3882, 0.6229,
0.3299


 12.8376, 0.6401,
0.3300


 14.5395, 0.5913,
0.3298


 16.4906, 0.5478,
0.3297


 19.3522, 0.4999,
0.3295

 23.2171, 0.4540,
0.3294

 28.1666, 0.4136,
0.3293

 34.2736, 0.3799,
0.3292

 41.6050, 0.3525,
0.3291

 50.2222, 0.3305,
0.3291

 60.1828, 0.3130,
0.3290

Harmonies

Analogous

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



13.3882, 0.5514, 0.2517



13.3882, 0.6229, 0.3299



13.3882, 0.5746, 0.4254

Triad

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



13.3882, 0.6229, 0.3299



13.3882, 0.1945, 0.5938



13.3882, 0.1272, 0.1183

Complementary

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



13.3882, 0.6229, 0.3299



47.6936, 0.2260, 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.



13.3882, 0.0857, 0.1343



13.3882, 0.6229, 0.3299



13.3882, 0.1077, 0.3618

Square

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



13.3882, 0.6229, 0.3299



13.3882, 0.3201, 0.6495



13.3882, 0.0779, 0.1999



13.3882, 0.2185, 0.1341

Rectangle

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



13.3882, 0.6229, 0.3299



13.3882, 0.4982, 0.5018



13.3882, 0.0779, 0.1999



13.3882, 0.1089, 0.1198

Sweetspot

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



13.3891, 0.6229, 0.3299



59.9930, 0.3715, 0.3292



17.2690, 0.3170, 0.1554



12.0017, 0.3818, 0.3292



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.



13.3891, 0.6229, 0.3299



21.2601, 0.6401, 0.3300



23.8130, 0.5261, 0.4109



11.2137, 0.3290, 0.3290



8.0800, 0.6401, 0.3300



0.4168, 0.6400, 0.3299

Inverse Universe

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



13.3891, 0.6229, 0.3299



21.2601, 0.6401, 0.3300



16.7872, 0.1852, 0.1794



11.2137, 0.3290, 0.3290



8.0800, 0.6401, 0.3300



0.4168, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 13.3882, 0.6229, 0.3299 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 13.3882, 0.6229, 0.3299 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 13.3882, 0.6229, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 13.3882, 0.6229, 0.3299.



This preview shows how white text looks on a background with the Yxy color 13.3882, 0.6229, 0.3299.

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

13.3882, 0.6229, 0.3299

Protanopia

13.7472, 0.4165, 0.4586

Deuteranopia

13.7490, 0.4686, 0.4661



Tritanopia

13.4028, 0.6266, 0.3327

Trichromacy



Original Color

13.3882, 0.6229, 0.3299

Protanomaly

11.1599, 0.5177, 0.3892

Deuteranomaly

11.6648, 0.5519, 0.3943

Tritanomaly

13.4111, 0.6250, 0.3318

Monochromacy



Original Color

13.3882, 0.6229, 0.3299

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.1458, 0.4648, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3882, 0.6229, 0.3299 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, 20, 20)` looks like.

```
.text, #text, p{  
    color:rgb(204, 20, 20)  
}
```

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, 20, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 20, 20) }
```

Border

The CSS property to change the border of an element to Yxy 13.3882, 0.6229, 0.3299 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, 20, 20) }
```

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

```
.border{ border-color:rgb(204, 20, 20) }
```

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

Here you see how a box with a 4 pixel rgb(204, 20, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 20, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 20, 20);  
box-shadow:4px 4px 4px 4px rgb(204, 20,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3882, 0.6229, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 20, 20) }
```

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

```
.background{ background-color: rgb(204, 20,  
20) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor