

Converting Colors

$Y_{xy}(13.9479, 0.6220, 0.3437)$

Have a look what the booklet for
Yxy(13.9479, 0.6220, 0.3437)
contains.

Yxy(13.9605, 0.6220, 0.3437)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9605, 0.6220, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	CB2401
RGB	203, 36, 1
RGB Percent	80%, 14%, 0%
CMY	0.2039, 0.8587, 0.9959
CMYK	0.00, 0.82, 0.99, 0.20
HSL	10°, 99%, 40%
HSV	10°, 99%, 80%
XYZ	25.2646, 13.9605, 1.3932
YIQ	81.9430, 110.7670, 24.5190

Conversions

Conversions Part 2

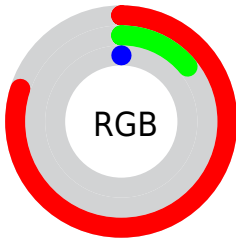
Format	Color
RYB	203, 43, 1
Decimal	13313025
CIELab	44.18, 62.11, 56.97
CIELCh	44, 84.279, 42.532
Yxy	13.9605, 0.6220, 0.3437
Android (android.graphics.Color)	4291503105 (0xFFCB2401)
YUV	81.9430, -39.9049, 106.1670
Hunter-Lab	37.3638, 55.3113, 23.9438

Details

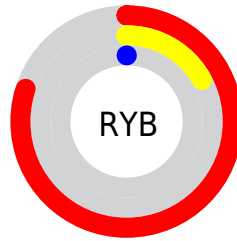
The Yxy color **13.9605, 0.6220, 0.3437** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **32.3330, 0.2092, 0.2727**, and the grayscale version is **8.4942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2712, 0.5539, 0.3622**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.9071, 0.6231, 0.3434**, and if you desaturate by 10%, it is **15.2800, 0.5968, 0.3503**.

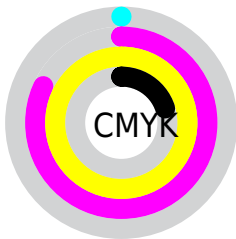
Distribution



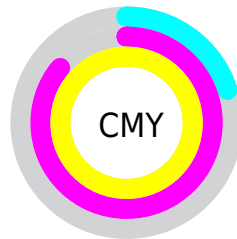
- Red (80%)
- Green (14%)
- Blue (0%)



- Red (80%)
- Yellow (17%)
- Blue (0%)



- Cyan (0%)
- Magenta (82%)
- Yellow (99%)
- Black (20%)





- Cyan (20%)
- Magenta (86%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9605, 0.6220, 0.3437 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 13.9605, 0.6220, 0.3437 by changing the saturation by 10% instead.

 13.9605, 0.6220,
0.3437


 13.9605, 0.6220,
0.3437


 216.9850, 0.4520,
0.3613


 8.0932, 0.6659,
0.3285


 33.0189, 0.5610,
0.3595


 4.1546, 0.7045,
0.2955


 46.9788, 0.5373,
0.3624


 1.7604, 0.7540,
0.2460


 64.4051, 0.5172,
0.3636

 0.4623, 0.8449,
0.1551

 85.6820, 0.5001,
0.3639

 0.0000, 1.0000,
0.0000


 111.1941, 0.4854,
0.3636


 0.0000, 0.0000,
0.0000


 141.3257, 0.4728,

0.3630


 176.4612, 0.4617,
0.3622

 13.9605, 0.6220,
0.3437

 13.9605, 0.6220,
0.3437

 13.9071, 0.6231,
0.3434

 15.2800, 0.5968,
0.3503

 17.1900, 0.5616,
0.3549

 19.7589, 0.5203,
0.3563

 23.0412, 0.4780,
0.3550

 27.0857, 0.4384,
0.3517

■ 31.9364, 0.4035,
0.3474

■ 37.6343, 0.3739,
0.3426

■ 44.2173, 0.3492,
0.3378

■ 51.7212, 0.3287,
0.3331

Harmonies

Analogous

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



13.9605, 0.5745, 0.2645



13.9605, 0.6220, 0.3437



13.9605, 0.5569, 0.4431

Triad

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



13.9605, 0.6220, 0.3437



13.9605, 0.1752, 0.5608



13.9605, 0.1381, 0.1185

Complementary

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



13.9605, 0.6220, 0.3437



32.3330, 0.2092, 0.2727

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.



13.9605, 0.0897, 0.1284



13.9605, 0.6220, 0.3437



13.9605, 0.0984, 0.3252

Square

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



13.9605, 0.6220, 0.3437



13.9605, 0.2967, 0.6570



13.9605, 0.0765, 0.1829



13.9605, 0.2404, 0.1394

Rectangle

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



13.9605, 0.6220, 0.3437



13.9605, 0.4765, 0.5235



13.9605, 0.0765, 0.1829



13.9605, 0.1172, 0.1181

Sweetspot

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



13.9614, 0.6220, 0.3437



62.0830, 0.3764, 0.3430



15.5961, 0.3682, 0.1804



12.3900, 0.3886, 0.3451



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.



13.9614, 0.6220, 0.3437



23.0732, 0.6248, 0.3421



30.2169, 0.4932, 0.4463



11.5225, 0.3286, 0.3331



8.9442, 0.6212, 0.3450



0.5606, 0.5858, 0.3730

Inverse Universe

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



32.3330, 0.2092, 0.2727



53.7298, 0.2088, 0.2716



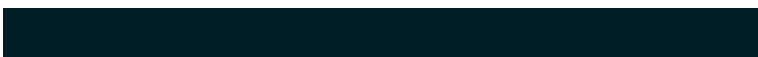
8.4971, 0.1634, 0.1078



12.3836, 0.2983, 0.3249



20.6487, 0.2092, 0.2732



1.1546, 0.2126, 0.2853

Previews

White Background



This preview shows how the Yxy color 13.9605, 0.6220, 0.3437 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 13.9605, 0.6220, 0.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

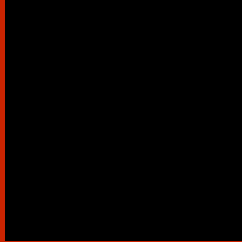
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.9605, 0.6220, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 13.9605, 0.6220, 0.3437.



This preview shows how white text looks on a background with the Yxy color 13.9605, 0.6220, 0.3437.

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

13.9605, 0.6220, 0.3437

Protanopia

14.3002, 0.4279, 0.4730

Deuteranopia

14.1009, 0.4696, 0.4653



Tritanopia

13.9448, 0.6045, 0.3311

Trichromacy



Original Color

13.9605, 0.6220, 0.3437

Protanomaly

12.4063, 0.5190, 0.4124

Deuteranomaly

12.5769, 0.5426, 0.4073

Tritanomaly

13.9527, 0.6129, 0.3372

Monochromacy



Original Color

13.9605, 0.6220, 0.3437

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.4733, 0.4635, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9605, 0.6220, 0.3437 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(203, 36, 1)` looks like.

```
.text, #text, p{  
    color:rgb(203, 36, 1)  
}
```

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(203, 36, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 36, 1) }
```

Border

The CSS property to change the border of an element to Yxy 13.9605, 0.6220, 0.3437 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(203, 36, 1) }
```

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

```
.border{ border-color:rgb(203, 36, 1) }
```

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

Here you see how a box with a 4 pixel rgb(203, 36, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 36, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 36, 1);  
box-shadow:4px 4px 4px 4px rgb(203, 36, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9605, 0.6220, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 36, 1) }
```

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

```
.background{ background-color: rgb(203, 36,  
1) }
```

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