

Converting Colors

$Y_{xy}(13.6977, 0.6361, 0.3331)$

Have a look what the booklet for
Yxy(13.6977, 0.6361, 0.3331)
contains.

Yxy(13.6977, 0.6361, 0.3331)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.6977, 0.6361, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	D00D00
RGB	208, 13, 0
RGB Percent	82%, 5%, 0%
CMY	0.1843, 0.9490, 0.9998
CMYK	0.00, 0.94, 1.00, 0.18
HSL	4°, 100%, 41%
HSV	4°, 100%, 82%
XYZ	26.1576, 13.6977, 1.2666
YIQ	69.8230, 120.3930, 37.2970

Conversions

Conversions Part 2

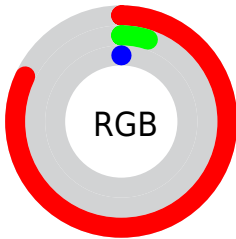
Format	Color
RYB	208, 14, 0
Decimal	13634816
CIELab	43.80, 67.49, 57.78
CIElCh	44, 88.843, 40.569
Yxy	13.6977, 0.6361, 0.3331
Android (android.graphics.Color)	4291824896 (0xFFD00D00)
YUV	69.8230, -34.4227, 121.1812
Hunter-Lab	37.0104, 61.3892, 23.8783

Details

The Yxy color **13.6977, 0.6361, 0.3331** 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 **43.6061, 0.2193, 0.3093**, and the grayscale version is **6.1383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6618, 0.5638, 0.3555**, and **5.8396, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.6974, 0.6361, 0.3331**, and if you desaturate by 10%, it is **14.5247, 0.6161, 0.3354**.

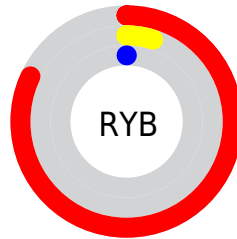
Distribution



Red (82%)

Green (5%)

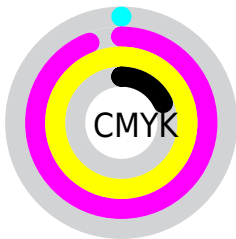
Blue (0%)



Red (82%)

Yellow (5%)

Blue (0%)

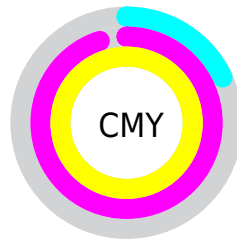


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (95%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6977, 0.6361, 0.3331 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 13.6977, 0.6361, 0.3331 by changing the saturation by 10% instead.


 13.6977, 0.6361,
0.3331


 13.6977, 0.6361,
0.3331


 215.3420, 0.4590,
0.3584


 7.9107, 0.6825,
0.3162


 32.5517, 0.5730,
0.3522


 4.0379, 0.7200,
0.2800

 46.3874, 0.5483,
0.3562

 1.6948, 0.7714,
0.2286

 63.6749, 0.5274,
0.3583

 0.4203, 0.8659,
0.1341

 84.7986, 0.5095,
0.3593


 0.0000, 1.0000,
0.0000

 110.1427, 0.4941,
0.3596

 0.0000, 0.0000,
0.0000

 140.0917, 0.4808,


0.3594

 175.0300, 0.4692,
0.3590


 13.6977, 0.6361,
0.3331

 13.6977, 0.6361,
0.3331

 13.6974, 0.6361,
0.3331

 14.5247, 0.6161,
0.3354

 16.0323, 0.5824,
0.3377

 18.3357, 0.5390,
0.3387

 21.5247, 0.4927,
0.3385

 25.6766, 0.4488,
0.3374

■ 30.8606, 0.4103,
0.3359

■ 37.1393, 0.3779,
0.3341

■ 44.5706, 0.3514,
0.3323

■ 53.2081, 0.3300,
0.3306

Harmonies

Analogous

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



13.6977, 0.5803, 0.2544



13.6977, 0.6361, 0.3331



13.6977, 0.5683, 0.4317

Triad

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



13.6977, 0.6361, 0.3331



13.6977, 0.1732, 0.5926



13.6977, 0.1269, 0.1111

Complementary

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



13.6977, 0.6361, 0.3331



43.6061, 0.2193, 0.3093

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.



13.6977, 0.0810, 0.1228



13.6977, 0.6361, 0.3331



13.6977, 0.0926, 0.3372

Square

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



13.6977, 0.6361, 0.3331



13.6977, 0.2989, 0.6735



13.6977, 0.0693, 0.1812



13.6977, 0.2272, 0.1303

Rectangle

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



13.6977, 0.6361, 0.3331



13.6977, 0.4847, 0.5153



13.6977, 0.0693, 0.1812



13.6977, 0.1069, 0.1113

Sweetspot

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



13.6986, 0.6361, 0.3331



58.4714, 0.3790, 0.3342



17.4706, 0.3339, 0.1613



11.5659, 0.3922, 0.3350



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.



13.6986, 0.6361, 0.3331



21.6273, 0.6369, 0.3325



25.5410, 0.5271, 0.4197



11.9247, 0.3289, 0.3305



8.5855, 0.6351, 0.3340



0.5225, 0.6193, 0.3464

Inverse Universe

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



43.6061, 0.2193, 0.3093



69.0187, 0.2192, 0.3091



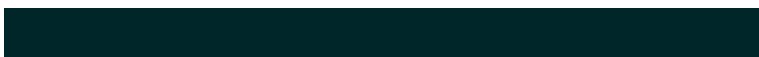
12.4939, 0.1723, 0.1402



13.2756, 0.2983, 0.3275



27.2287, 0.2193, 0.3096



1.5615, 0.2204, 0.3134

Previews

White Background



This preview shows how the Yxy color 13.6977, 0.6361, 0.3331 looks on a white background.

Color Contrast Check

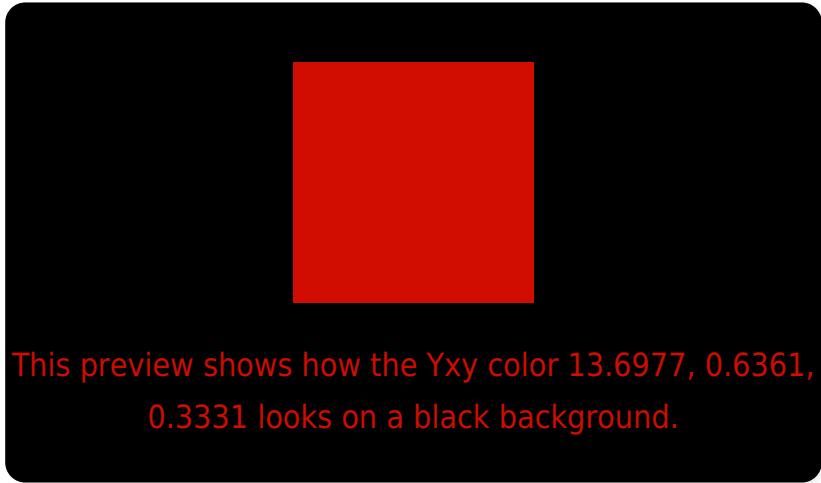
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6977, 0.6361, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 13.6977, 0.6361, 0.3331.



This preview shows how white text looks on a background with the Yxy color 13.6977, 0.6361, 0.3331.

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

13.6977, 0.6361, 0.3331

Protanopia

14.2388, 0.4250, 0.4719

Deuteranopia

14.1009, 0.4696, 0.4653



Tritanopia

13.7311, 0.6336, 0.3351

Trichromacy



Original Color

13.6977, 0.6361, 0.3331

Protanomaly

11.2545, 0.5357, 0.3972

Deuteranomaly

11.6078, 0.5607, 0.3930

Tritanomaly

13.6663, 0.6345, 0.3344

Monochromacy



Original Color

13.6977, 0.6361, 0.3331

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.3792, 0.4925, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6977, 0.6361, 0.3331 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, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 13, 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(208, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 13, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.6977, 0.6361, 0.3331 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, 13, 0) }
```

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

```
.border{ border-color:rgb(208, 13, 0) }
```

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

Here you see how a box with a 4 pixel rgb(208, 13, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 13, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6977, 0.6361, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 13, 0) }
```

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

```
.background{ background-color: rgb(208, 13,  
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](#).

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