

Converting Colors

$Y_{xy}(13.6606, 0.6227, 0.3204)$

Have a look what the booklet for
Yxy(13.6606, 0.6227, 0.3204)
contains.

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Color

Yxy(13.6440, 0.6231, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	D1001D
RGB	209, 0, 29
RGB Percent	82%, 0%, 11%
CMY	0.1804, 1.0000, 0.8864
CMYK	0.00, 1.00, 0.86, 0.18
HSL	352°, 100%, 41%
HSV	352°, 100%, 82%
XYZ	26.5177, 13.6440, 2.3960
YIQ	65.7970, 115.2550, 53.3270

Conversions

Conversions Part 2

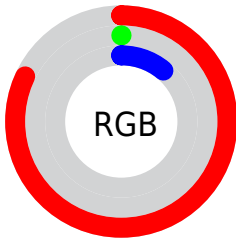
Format	Color
RYB	209, 0, 29
Decimal	13697053
CIELab	43.72, 69.31, 46.92
CIElCh	44, 83.696, 34.095
Yxy	13.6440, 0.6231, 0.3206
Android (android.graphics.Color)	4291887133 (0xFFD1001D)
YUV	65.7970, -18.1409, 125.5890
Hunter-Lab	36.9378, 63.5044, 22.0106

Details

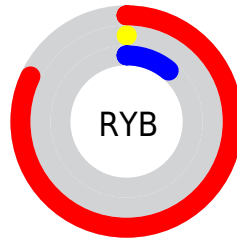
The Yxy color **13.6440, 0.6231, 0.3206** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **48.9018, 0.2371, 0.3734**, and the grayscale version is **5.4298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5844, 0.5450, 0.3393**, and **6.0197, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.6450, 0.6231, 0.3206**, and if you desaturate by 10%, it is **14.2941, 0.5965, 0.3149**.

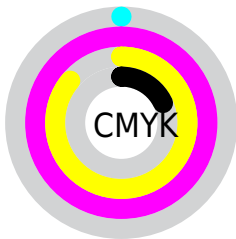
Distribution



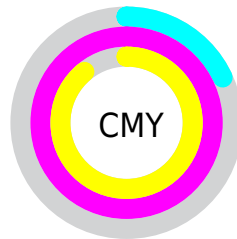
- Red (82%)
- Green (0%)
- Blue (11%)



- Red (82%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6440, 0.6231, 0.3206 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 13.6440, 0.6231, 0.3206 by changing the saturation by 10% instead.


 13.6440, 0.6231,
0.3206


 13.6440, 0.6231,
0.3206


215.0047, 0.4471,
0.3463


 7.8735, 0.6671,
0.3028


 32.4560, 0.5571,
0.3378


 4.0141, 0.7249,
0.2751

 46.2663, 0.5325,
0.3417


 1.6815, 0.7767,
0.2233

 63.5253, 0.5120,
0.3440

 0.4116, 0.8716,
0.1284

 84.6174, 0.4947,
0.3454


 0.0000, 1.0000,
0.0000

 109.9270, 0.4801,
0.3461

 0.0000, 0.0000,
0.0000


 139.8385, 0.4675,

0.3464

 174.7363, 0.4566,
0.3465


 13.6440, 0.6231,
0.3206

 13.6440, 0.6231,
0.3206


 13.6450, 0.6231,
0.3206

 14.2941, 0.5965,
0.3149

 15.5797, 0.5595,
0.3105

 17.7028, 0.5164,
0.3086

 20.7749, 0.4730,
0.3091

 24.8904, 0.4331,
0.3113

■ 30.1322, 0.3987,
0.3145

■ 36.5749, 0.3701,
0.3182

■ 44.2866, 0.3467,
0.3220

■ 53.3304, 0.3279,
0.3256

Harmonies

Analogous

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



13.6440, 0.5361, 0.2429



13.6440, 0.6231, 0.3206



13.6440, 0.5859, 0.4139

Triad

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



13.6440, 0.6231, 0.3206



13.6440, 0.2067, 0.6140



13.6440, 0.1200, 0.1179

Complementary

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



13.6440, 0.6231, 0.3206



48.9018, 0.2371, 0.3734

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.



13.6440, 0.0828, 0.1379



13.6440, 0.6231, 0.3206



13.6440, 0.1135, 0.3872

Square

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



13.6440, 0.6231, 0.3206



13.6440, 0.3351, 0.6448



13.6440, 0.0784, 0.2114



13.6440, 0.2048, 0.1304

Rectangle

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



13.6440, 0.6231, 0.3206



13.6440, 0.5120, 0.4880



13.6440, 0.0784, 0.2114



13.6440, 0.1034, 0.1205

Sweetspot

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



13.6450, 0.6231, 0.3206



56.9787, 0.3710, 0.3181



14.0283, 0.2830, 0.1332



11.2289, 0.3826, 0.3165



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.



13.6450, 0.6231, 0.3206



21.3834, 0.6249, 0.3216



18.3416, 0.5848, 0.3739



11.8345, 0.3269, 0.3258



8.4210, 0.6205, 0.3192



0.4797, 0.5777, 0.2956

Inverse Universe

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



13.6450, 0.6231, 0.3206



21.3834, 0.6249, 0.3216



22.1714, 0.1914, 0.2092



11.8345, 0.3269, 0.3258



8.4210, 0.6205, 0.3192



0.4797, 0.5777, 0.2956

Previews

White Background



This preview shows how the Yxy color 13.6440, 0.6231, 0.3206 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 13.6440, 0.6231, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 13.6440, 0.6231, 0.3206.



This preview shows how white text looks on a background with the Yxy color 13.6440, 0.6231, 0.3206.

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

13.6440, 0.6231, 0.3206

Protanopia

14.3034, 0.4045, 0.4442

Deuteranopia

14.1009, 0.4696, 0.4653

Trichromacy



Original Color

13.6440, 0.6231, 0.3206

Protanomaly

10.6584, 0.5166, 0.3674

Deuteranomaly

11.2680, 0.5629, 0.3823

Monochromacy



Original Color

13.6440, 0.6231, 0.3206

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.7645, 0.4778, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6440, 0.6231, 0.3206 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(209, 0, 29)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 29)  
}
```

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(209, 0, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 29) }
```

Border

The CSS property to change the border of an element to Yxy 13.6440, 0.6231, 0.3206 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(209, 0, 29) }
```

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

```
.border{ border-color:rgb(209, 0, 29) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 29);  
box-shadow:4px 4px 4px 4px rgb(209, 0, 29)  
}
```

Background

The CSS property to change the background color of an element to Yxy 13.6440, 0.6231, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 29) }
```

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

```
.background{ background-color: rgb(209, 0,  
29) }
```

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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