

Converting Colors

$Y_{xy}(13.6760, 0.6278, 0.3319)$

Have a look what the booklet for
Yxy(13.6760, 0.6278, 0.3319)
contains.

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Color

Yxy(13.6166, 0.6279, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	CE130D
RGB	206, 19, 13
RGB Percent	81%, 7%, 5%
CMY	0.1921, 0.9255, 0.9493
CMYK	0.00, 0.91, 0.94, 0.19
HSL	2°, 88%, 43%
HSV	2°, 94%, 81%
XYZ	25.7604, 13.6166, 1.6493
YIQ	74.2290, 113.3780, 37.7780

Conversions

Conversions Part 2

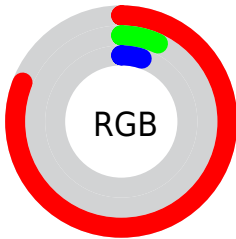
Format	Color
RYB	206, 19, 13
Decimal	13505293
CIELab	43.68, 66.34, 53.41
CIELCh	44, 85.169, 38.836
Yxy	13.6166, 0.6279, 0.3319
Android (android.graphics.Color)	4291695373 (0xFFCE130D)
YUV	74.2290, -30.1859, 115.5632
Hunter-Lab	36.9007, 60.0346, 23.1805

Details

The Yxy color **13.6166, 0.6279, 0.3319** 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 **45.8252, 0.2229, 0.3197**, and the grayscale version is **6.9295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0900, 0.5544, 0.3518**, and **5.6627, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.2632, 0.6381, 0.3315**, and if you desaturate by 10%, it is **14.6837, 0.6005, 0.3332**.

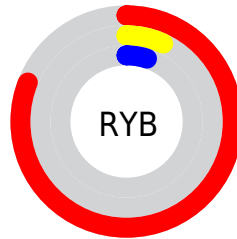
Distribution



Red (81%)

Green (7%)

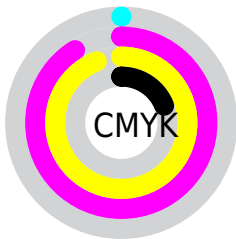
Blue (5%)



Red (81%)

Yellow (7%)

Blue (5%)

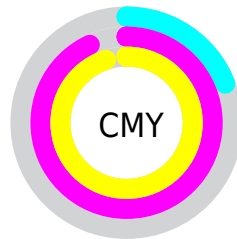


Cyan (0%)

Magenta (91%)

Yellow (94%)

Black (19%)



Cyan (19%)


Magenta (93%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6166, 0.6279, 0.3319 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 13.6166, 0.6279, 0.3319 by changing the saturation by 10% instead.


 13.6166, 0.6279,
0.3319


 13.6166, 0.6279,
0.3319


 214.8325, 0.4524,
0.3549


 7.8545, 0.6722,
0.3147


 32.4072, 0.5639,
0.3493


 4.0020, 0.7176,
0.2824

 46.2044, 0.5394,
0.3529


 1.6747, 0.7690,
0.2310

 63.4489, 0.5188,
0.3548

 0.4072, 0.8658,
0.1342

 84.5249, 0.5013,
0.3557

 0.0000, 1.0000,
0.0000


 109.8168, 0.4863,
0.3559


 0.0000, 0.0000,
0.0000

 139.7092, 0.4734,

0.3558

 174.5862, 0.4622,
0.3554


 13.6166, 0.6279,
0.3319


 13.6166, 0.6279,
0.3319


 13.2632, 0.6381,
0.3315

 14.6837, 0.6005,
0.3332

 16.5090, 0.5601,
0.3340

 19.1995, 0.5134,
0.3341

 22.8443, 0.4672,
0.3337

 27.5216, 0.4255,
0.3329

■ 33.3015, 0.3902,
0.3320

■ 40.2479, 0.3611,
0.3311

■ 48.4200, 0.3376,
0.3302

■ 57.8728, 0.3187,
0.3293

Harmonies

Analogous

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



13.6166, 0.5631, 0.2534



13.6166, 0.6279, 0.3319



13.6166, 0.5715, 0.4285

Triad

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



13.6166, 0.6279, 0.3319



13.6166, 0.1858, 0.5920



13.6166, 0.1276, 0.1157

Complementary

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



13.6166, 0.6279, 0.3319



45.8252, 0.2229, 0.3197

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.



13.6166, 0.0842, 0.1298



13.6166, 0.6279, 0.3319



13.6166, 0.1016, 0.3510

Square

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



13.6166, 0.6279, 0.3319



13.6166, 0.3113, 0.6584



13.6166, 0.0746, 0.1921



13.6166, 0.2226, 0.1330

Rectangle

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



13.6166, 0.6279, 0.3319



13.6166, 0.4923, 0.5077



13.6166, 0.0746, 0.1921



13.6166, 0.1086, 0.1166

Sweetspot

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



13.6175, 0.6279, 0.3319



59.7550, 0.3738, 0.3315



17.7109, 0.3248, 0.1582



11.7707, 0.3870, 0.3319



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.



13.6175, 0.6279, 0.3319



21.4338, 0.6386, 0.3312



24.8931, 0.5249, 0.4161



11.2691, 0.3289, 0.3298



8.1930, 0.6375, 0.3320



0.4429, 0.6288, 0.3389

Inverse Universe

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



45.8252, 0.2229, 0.3197



73.7383, 0.2219, 0.3190



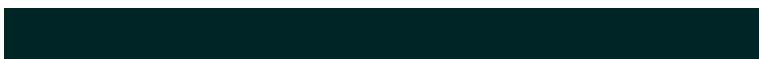
14.9025, 0.1796, 0.1623



12.6643, 0.2984, 0.3282



28.0756, 0.2220, 0.3192



1.4678, 0.2226, 0.3212

Previews

White Background



This preview shows how the Yxy color 13.6166, 0.6279, 0.3319 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 13.6166, 0.6279, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 13.6166, 0.6279, 0.3319.



This preview shows how white text looks on a background with the Yxy color 13.6166, 0.6279, 0.3319.

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

13.6166, 0.6279, 0.3319

Protanopia

13.9840, 0.4219, 0.4669

Deuteranopia

13.8292, 0.4700, 0.4650



Tritanopia

13.6073, 0.6297, 0.3329

Trichromacy



Original Color

13.6166, 0.6279, 0.3319

Protanomaly

11.3531, 0.5243, 0.3966

Deuteranomaly

11.7622, 0.5538, 0.3944

Tritanomaly

13.6095, 0.6292, 0.3327

Monochromacy



Original Color

13.6166, 0.6279, 0.3319

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.0238, 0.4730, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6166, 0.6279, 0.3319 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(206, 19, 13)` looks like.

```
.text, #text, p{  
    color:rgb(206, 19, 13)  
}
```

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(206, 19, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 19, 13) }
```

Border

The CSS property to change the border of an element to Yxy 13.6166, 0.6279, 0.3319 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(206, 19, 13) }
```

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

```
.border{ border-color:rgb(206, 19, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 19, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 19, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 19, 13);  
box-shadow:4px 4px 4px 4px rgb(206, 19,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6166, 0.6279, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 19, 13) }
```

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

```
.background{ background-color: rgb(206, 19,  
13) }
```

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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