

Converting Colors

$Y_{xy}(13.7090, 0.6051, 0.3184)$

Have a look what the booklet for
Yxy(13.7090, 0.6051, 0.3184)
contains.

Yxy(13.7076, 0.6053, 0.3185)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7076, 0.6053, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	CE1228
RGB	206, 18, 40
RGB Percent	81%, 7%, 16%
CMY	0.1922, 0.9291, 0.8432
CMYK	0.00, 0.91, 0.81, 0.19
HSL	353°, 84%, 44%
HSV	353°, 91%, 81%
XYZ	26.0509, 13.7076, 3.2795
YIQ	76.7200, 104.9860, 46.6980

Conversions

Conversions Part 2

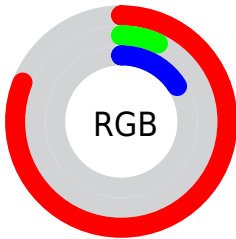
Format	Color
RYB	206, 18, 40
Decimal	13505064
CIELab	43.81, 66.98, 40.89
CIElCh	44, 78.479, 31.405
Yxy	13.7076, 0.6053, 0.3185
Android (android.graphics.Color)	4291695144 (0xFFCE1228)
YUV	76.7200, -18.1030, 113.3786
Hunter-Lab	37.0238, 60.8057, 20.6648

Details

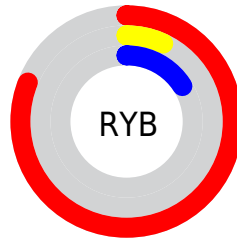
The Yxy color **13.7076, 0.6053, 0.3185** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **47.7308, 0.2353, 0.3625**, and the grayscale version is **7.3936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4141, 0.5297, 0.3339**, and **5.7508, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.1865, 0.6269, 0.3227**, and if you desaturate by 10%, it is **14.8573, 0.5698, 0.3143**.

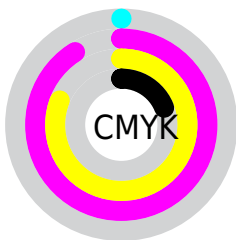
Distribution



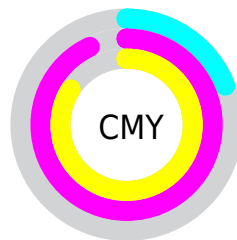
- Red (81%)
- Green (7%)
- Blue (16%)



- Red (81%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (91%)
- Yellow (81%)
- Black (19%)





- Cyan (19%)
- Magenta (93%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7076, 0.6053, 0.3185 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 13.7076, 0.6053, 0.3185 by changing the saturation by 10% instead.


 13.7076, 0.6053,
0.3185


 13.7076, 0.6053,
0.3185


215.4041, 0.4366,
0.3416


 7.9176, 0.6499,
0.3028


 32.5693, 0.5405,
0.3335


 4.0423, 0.7181,
0.2811

 46.4098, 0.5169,
0.3369


 1.6972, 0.7699,
0.2301

 63.7025, 0.4974,
0.3390

 0.4219, 0.8644,
0.1356

 84.8319, 0.4811,
0.3403

 0.0000, 1.0000,
0.0000


 110.1824, 0.4674,
0.3411


 0.0000, 0.0000,
0.0000


 140.1383, 0.4556,

0.3414


 175.0841, 0.4454,
0.3416


 13.7076, 0.6053,
0.3185


 13.7076, 0.6053,
0.3185

 13.1865, 0.6269,
0.3227

 14.8573, 0.5698,
0.3143

 16.8032, 0.5268,
0.3123

 19.6570, 0.4824,
0.3123

 23.5118, 0.4409,
0.3140

 28.4491, 0.4049,
0.3165

■ 34.5422, 0.3748,
0.3196

■ 41.8577, 0.3502,
0.3227

■ 50.4574, 0.3304,
0.3258

■ 60.3988, 0.3144,
0.3287

Harmonies

Analogous

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



13.7076, 0.5097, 0.2417



13.7076, 0.6053, 0.3185



13.7076, 0.5803, 0.4060

Triad

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



13.7076, 0.6053, 0.3185



13.7076, 0.2261, 0.6047



13.7076, 0.1228, 0.1263

Complementary

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



13.7076, 0.6053, 0.3185



47.7308, 0.2353, 0.3625

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.



13.7076, 0.0891, 0.1504



13.7076, 0.6053, 0.3185



13.7076, 0.1295, 0.4047

Square

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



13.7076, 0.6053, 0.3185



13.7076, 0.3517, 0.6212



13.7076, 0.0886, 0.2298



13.7076, 0.2007, 0.1358

Rectangle

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



13.7076, 0.6053, 0.3185



13.7076, 0.5207, 0.4793



13.7076, 0.0886, 0.2298



13.7076, 0.1075, 0.1301

Sweetspot

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



13.7085, 0.6053, 0.3185



60.3442, 0.3646, 0.3208



15.0892, 0.2941, 0.1425



12.0817, 0.3736, 0.3197



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.



13.7085, 0.6053, 0.3185



21.3524, 0.6286, 0.3237



20.4946, 0.5545, 0.3888



11.2346, 0.3272, 0.3263



8.1282, 0.6245, 0.3214



0.4266, 0.5841, 0.2991

Inverse Universe

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



13.7085, 0.6053, 0.3185



21.3524, 0.6286, 0.3237



21.6226, 0.1932, 0.2098



11.2346, 0.3272, 0.3263



8.1282, 0.6245, 0.3214



0.4266, 0.5841, 0.2991

Previews

White Background



This preview shows how the Yxy color 13.7076, 0.6053, 0.3185 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 13.7076, 0.6053, 0.3185 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 13.7076, 0.6053, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 13.7076, 0.6053, 0.3185.



This preview shows how white text looks on a background with the Yxy color 13.7076, 0.6053, 0.3185.

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

13.7076, 0.6053, 0.3185

Protanopia

14.0849, 0.3870, 0.4205

Deuteranopia

14.0858, 0.4570, 0.4521



Tritanopia

13.7751, 0.6237, 0.3322

Trichromacy



Original Color

13.7076, 0.6053, 0.3185

Protanomaly

11.3180, 0.4867, 0.3615

Deuteranomaly

11.8450, 0.5360, 0.3796

Tritanomaly

13.7283, 0.6191, 0.3282

Monochromacy



Original Color

13.7076, 0.6053, 0.3185

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.4836, 0.4463, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7076, 0.6053, 0.3185 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, 18, 40)` looks like.

```
.text, #text, p{  
    color:rgb(206, 18, 40)  
}
```

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, 18, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 18, 40) }
```

Border

The CSS property to change the border of an element to Yxy 13.7076, 0.6053, 0.3185 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, 18, 40) }
```

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

```
.border{ border-color:rgb(206, 18, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 18, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 18, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 18, 40);  
box-shadow:4px 4px 4px 4px rgb(206, 18,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7076, 0.6053, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 18, 40) }
```

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

```
.background{ background-color: rgb(206, 18,  
40) }
```

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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