

Converting Colors

$Y_{xy}(13.2612, 0.6126, 0.3148)$

Have a look what the booklet for
Yxy(13.2612, 0.6126, 0.3148)
contains.

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Color

Yxy(13.2618, 0.6129, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	CE0026
RGB	206, 0, 38
RGB Percent	81%, 0%, 15%
CMY	0.1922, 0.9998, 0.8509
CMYK	0.00, 1.00, 0.82, 0.19
HSL	349°, 100%, 40%
HSV	349°, 100%, 81%
XYZ	25.8037, 13.2618, 3.0355
YIQ	65.9260, 110.5780, 55.4900

Conversions

Conversions Part 2

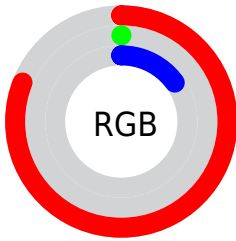
Format	Color
RYB	206, 0, 38
Decimal	13500454
CIELab	43.16, 68.78, 41.35
CIELCh	43, 80.249, 31.014
Yxy	13.2618, 0.6129, 0.3150
Android (android.graphics.Color)	4291690534 (0xFFCE0026)
YUV	65.9260, -13.7675, 122.8449
Hunter-Lab	36.4168, 62.7497, 20.5497

Details

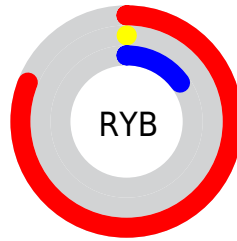
The Yxy color **13.2618, 0.6129, 0.3150** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **46.9701, 0.2414, 0.3892**, and the grayscale version is **5.4492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5557, 0.5357, 0.3313**, and **5.7508, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.2615, 0.6129, 0.3150**, and if you desaturate by 10%, it is **13.9191, 0.5840, 0.3079**.

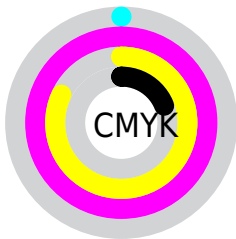
Distribution



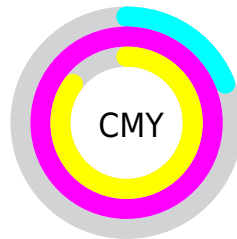
- Red (81%)
- Green (0%)
- Blue (15%)



- Red (81%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2618, 0.6129, 0.3150 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 13.2618, 0.6129, 0.3150 by changing the saturation by 10% instead.


 13.2618, 0.6129,
0.3150


 13.2618, 0.6129,
0.3150


212.5888, 0.4396,
0.3410

 7.6091, 0.6584,
0.2980


 31.7733, 0.5464,
0.3314


 3.8458, 0.7261,
0.2739

 45.4009, 0.5222,
0.3352

 1.5877, 0.7788,
0.2212

 62.4556, 0.5021,
0.3377

 0.3493, 0.8830,
0.1170

 83.3217, 0.4854,
0.3392

 0.0000, 1.0000,
0.0000


 108.3837, 0.4712,
0.3401


 0.0000, 0.0000,
0.0000


 138.0259, 0.4591,


0.3406


 172.6328, 0.4487,
0.3409

 13.2618, 0.6129,
0.3150

 13.2618, 0.6129,
0.3150

 13.2615, 0.6129,
0.3150

 13.9191, 0.5840,
0.3079

 15.1873, 0.5466,
0.3028

 17.2614, 0.5048,
0.3010

 20.2477, 0.4636,
0.3022

 24.2362, 0.4261,
0.3053

■ 29.3063, 0.3938,
0.3097

■ 35.5291, 0.3669,
0.3146

■ 42.9698, 0.3449,
0.3196

■ 51.6886, 0.3271,
0.3245

Harmonies

Analogous

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



13.2618, 0.5138, 0.2379



13.2618, 0.6129, 0.3150



13.2618, 0.5874, 0.4037

Triad

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



13.2618, 0.6129, 0.3150



13.2618, 0.2234, 0.6174



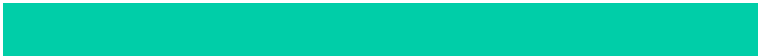
13.2618, 0.1182, 0.1223

Complementary

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



13.2618, 0.6129, 0.3150



46.9701, 0.2414, 0.3892

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.



13.2618, 0.0849, 0.1467



13.2618, 0.6129, 0.3150



13.2618, 0.1253, 0.4097

Square

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



13.2618, 0.6129, 0.3150



13.2618, 0.3519, 0.6295



13.2618, 0.0843, 0.2277



13.2618, 0.1962, 0.1315

Rectangle

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



13.2618, 0.6129, 0.3150



13.2618, 0.5233, 0.4767



13.2618, 0.0843, 0.2277



13.2618, 0.1031, 0.1261

Sweetspot

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



13.2626, 0.6129, 0.3150



57.1329, 0.3679, 0.3144



12.4358, 0.2704, 0.1263



11.2642, 0.3788, 0.3123



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.



13.2626, 0.6129, 0.3150



21.4654, 0.6153, 0.3163



16.5484, 0.5974, 0.3639



11.2469, 0.3261, 0.3247



8.1767, 0.6098, 0.3133



0.4323, 0.5571, 0.2842

Inverse Universe

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



13.2626, 0.6129, 0.3150



21.4654, 0.6153, 0.3163



24.4672, 0.1965, 0.2274



11.2469, 0.3261, 0.3247



8.1767, 0.6098, 0.3133



0.4323, 0.5571, 0.2842

Previews

White Background



This preview shows how the Yxy color 13.2618, 0.6129, 0.3150 looks on a white background.

Color Contrast Check

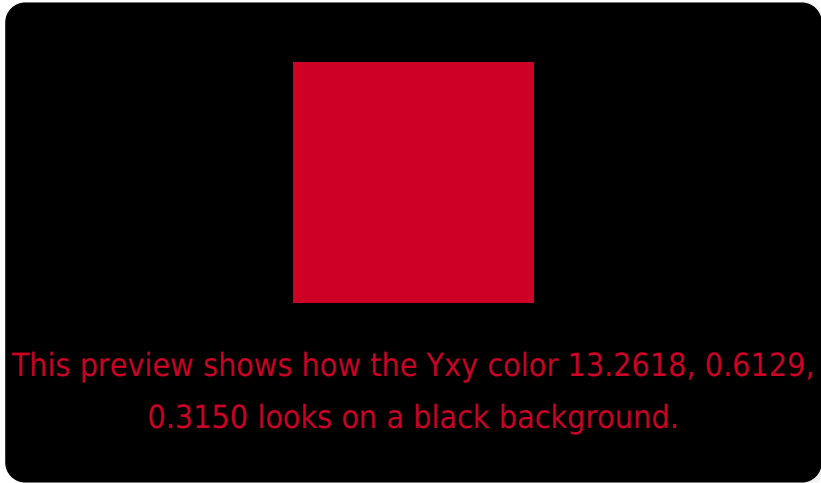
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2618, 0.6129, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 13.2618, 0.6129, 0.3150.



This preview shows how white text looks on a background with the Yxy color 13.2618, 0.6129, 0.3150.

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

13.2618, 0.6129, 0.3150

Protanopia

13.8043, 0.3876, 0.4211

Deuteranopia

13.7995, 0.4598, 0.4549



Tritanopia

13.4117, 0.6340, 0.3348

Trichromacy



Original Color

13.2618, 0.6129, 0.3150

Protanomaly

10.3474, 0.4962, 0.3517

Deuteranomaly

10.9032, 0.5492, 0.3725

Tritanomaly

13.2502, 0.6303, 0.3291

Monochromacy



Original Color

13.2618, 0.6129, 0.3150

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.7234, 0.4678, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2618, 0.6129, 0.3150 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, 0, 38)` looks like.

```
.text, #text, p{  
  color:rgb(206, 0, 38)  
}
```

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, 0, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 38) }
```

Border

The CSS property to change the border of an element to Yxy 13.2618, 0.6129, 0.3150 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, 0, 38) }
```

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

```
.border{ border-color:rgb(206, 0, 38) }
```

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

Here you see how a box with a 4 pixel rgb(206, 0, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(206, 0, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2618, 0.6129, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 38) }
```

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

```
.background{ background-color: rgb(206, 0,  
38) }
```

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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