

Converting Colors

$Yxy(14.9440, 0.6012, 0.3086)$

Have a look what the booklet for
Yxy(14.9440, 0.6012, 0.3086)
contains.

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Color

Yxy(14.9820, 0.6013, 0.3086)

Conversions

Conversions Part 1

Format	Color
Hex	D90032
RGB	217, 0, 50
RGB Percent	85%, 0%, 20%
CMY	0.1490, 0.9999, 0.8038
CMYK	0.00, 1.00, 0.77, 0.15
HSL	346°, 100%, 43%
HSV	346°, 100%, 85%
XYZ	29.1921, 14.9820, 4.3742
YIQ	70.5830, 113.2820, 61.5540

Conversions

Conversions Part 2

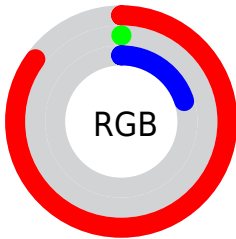
Format	Color
RYB	217, 0, 50
Decimal	14221362
CIELab	45.61, 71.79, 37.73
CIELCh	46, 81.099, 27.722
Yxy	14.9820, 0.6013, 0.3086
Android (android.graphics.Color)	4292411442 (0xFFD90032)
YUV	70.5830, -10.1474, 128.4077
Hunter-Lab	38.7066, 66.8862, 20.3943

Details

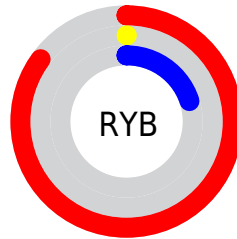
The Yxy color **14.9820, 0.6013, 0.3086** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **52.4165, 0.2460, 0.4057**, and the grayscale version is **6.2327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2493, 0.5190, 0.3235**, and **6.7876, 0.6340, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **14.9824, 0.6013, 0.3086**, and if you desaturate by 10%, it is **15.7171, 0.5713, 0.3003**.

Distribution



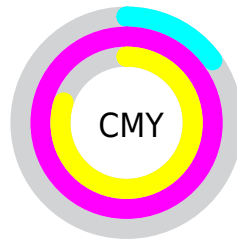
- Red (85%)
- Green (0%)
- Blue (20%)



- Red (85%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9820, 0.6013, 0.3086 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 14.9820, 0.6013, 0.3086 by changing the saturation by 10% instead.


 14.9820, 0.6013,
0.3086


 14.9820, 0.6013,
0.3086


223.2572, 0.4358,
0.3354


 8.8068, 0.6455,
0.2935


 34.8216, 0.5377,
0.3240


 4.6153, 0.7040,
0.2698

 49.2547, 0.5145,
0.3280


 2.0234, 0.7719,
0.2281

 67.2093, 0.4955,
0.3306

 0.6210, 0.8460,
0.1540

 89.0697, 0.4795,
0.3324

 0.0000, 1.0000,
0.0000

 115.2203, 0.4660,
0.3336

 0.0000, 0.0000,
0.0000

 146.0455, 0.4545,

0.3345

181.9297, 0.4445,
0.3350

■ 14.9820, 0.6013,
0.3086

■ 14.9820, 0.6013,
0.3086

■ 14.9824, 0.6013,
0.3086

■ 15.7171, 0.5713,
0.3003

■ 17.1415, 0.5343,
0.2948

■ 19.4688, 0.4942,
0.2932

■ 22.8194, 0.4552,
0.2950

■ 27.2949, 0.4199,
0.2992

■ 32.9849, 0.3895,
0.3048

■ 39.9695, 0.3641,
0.3110

■ 48.3222, 0.3433,
0.3172

■ 58.1108, 0.3264,
0.3233

Harmonies

Analogous

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



14.9820, 0.4909, 0.2323



14.9820, 0.6013, 0.3086



14.9820, 0.5882, 0.3933

Triad

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



14.9820, 0.6013, 0.3086



14.9820, 0.2404, 0.6195



14.9820, 0.1163, 0.1269

Complementary

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



14.9820, 0.6013, 0.3086



52.4165, 0.2460, 0.4057

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.



14.9820, 0.0869, 0.1560



14.9820, 0.6013, 0.3086



14.9820, 0.1379, 0.4326

Square

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



14.9820, 0.6013, 0.3086



14.9820, 0.3677, 0.6127



14.9820, 0.0905, 0.2452



14.9820, 0.1878, 0.1326

Rectangle

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



14.9820, 0.6013, 0.3086



14.9820, 0.5344, 0.4656



14.9820, 0.0905, 0.2452



14.9820, 0.1026, 0.1321

Sweetspot

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



14.9830, 0.6013, 0.3086



57.2917, 0.3647, 0.3108



13.1576, 0.2619, 0.1216



11.3008, 0.3750, 0.3081



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.



14.9830, 0.6013, 0.3086



21.5734, 0.6033, 0.3097



17.7661, 0.6057, 0.3572



13.1004, 0.3256, 0.3236



9.0829, 0.5979, 0.3067



0.6017, 0.5515, 0.2812

Inverse Universe

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



14.9830, 0.6013, 0.3086



21.5734, 0.6033, 0.3097



29.8543, 0.1997, 0.2390



13.1004, 0.3256, 0.3236



9.0829, 0.5979, 0.3067



0.6017, 0.5515, 0.2812

Previews

White Background



This preview shows how the Yxy color 14.9820, 0.6013, 0.3086 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 14.9820, 0.6013, 0.3086 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 14.9820, 0.6013, 0.3086

Background



This preview shows how black text looks on a background with the Yxy color 14.9820, 0.6013, 0.3086.



This preview shows how white text looks on a background with the Yxy color 14.9820, 0.6013, 0.3086.

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

14.9820, 0.6013, 0.3086

Protanopia

15.5956, 0.3699, 0.3982

Deuteranopia

15.6400, 0.4477, 0.4413



Tritanopia

15.1594, 0.6291, 0.3329

Trichromacy



Original Color

14.9820, 0.6013, 0.3086

Protanomaly

11.7541, 0.4754, 0.3342

Deuteranomaly

12.3970, 0.5342, 0.3606

Tritanomaly

14.9570, 0.6240, 0.3259

Monochromacy



Original Color

14.9820, 0.6013, 0.3086

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.5207, 0.4593, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9820, 0.6013, 0.3086 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(217, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 50)  
}
```

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(217, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 50) }
```

Border

The CSS property to change the border of an element to Yxy 14.9820, 0.6013, 0.3086 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(217, 0, 50) }
```

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

```
.border{ border-color:rgb(217, 0, 50) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 50)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.9820, 0.6013, 0.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 50) }
```

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

```
.background{ background-color: rgb(217, 0,  
50) }
```

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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