

Converting Colors

$Y_{xy}(14.8247, 0.6285, 0.3244)$

Have a look what the booklet for
Yxy(14.8247, 0.6285, 0.3244)
contains.

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Color

Yxy(14.8570, 0.6285, 0.3243)

Conversions

Conversions Part 1

Format	Color
Hex	D90217
RGB	217, 2, 23
RGB Percent	85%, 1%, 9%
CMY	0.1490, 0.9921, 0.9097
CMYK	0.00, 0.99, 0.89, 0.15
HSL	354°, 98%, 43%
HSV	354°, 99%, 85%
XYZ	28.7932, 14.8570, 2.1624
YIQ	68.6790, 121.3990, 52.1110

Conversions

Conversions Part 2

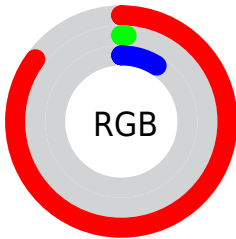
Format	Color
RYB	217, 2, 23
Decimal	14221847
CIELab	45.44, 70.99, 51.77
CIELCh	45, 87.857, 36.101
Yxy	14.8570, 0.6285, 0.3243
Android (android.graphics.Color)	4292411927 (0xFFD90217)
YUV	68.6790, -22.5197, 130.0775
Hunter-Lab	38.5448, 65.8871, 23.6552

Details

The Yxy color **14.8570, 0.6285, 0.3243** 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 **53.6257, 0.2333, 0.3595**, and the grayscale version is **5.9196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8470, 0.5486, 0.3446**, and **6.6754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.8075, 0.6302, 0.3245**, and if you desaturate by 10%, it is **15.5652, 0.6038, 0.3200**.

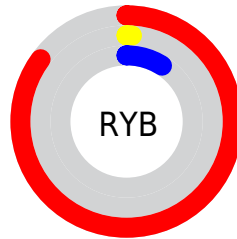
Distribution



Red (85%)

Green (1%)

Blue (9%)



Red (85%)

Yellow (1%)

Blue (9%)

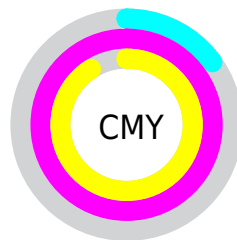


Cyan (0%)

Magenta (99%)

Yellow (89%)

Black (15%)



Cyan (15%)

Magenta (99%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8570, 0.6285, 0.3243 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 14.8570, 0.6285, 0.3243 by changing the saturation by 10% instead.

 14.8570, 0.6285,
0.3243


 14.8570, 0.6285,
0.3243


222.4990, 0.4535,
0.3501


 8.7191, 0.6705,
0.3066


 34.6021, 0.5645,
0.3418


 4.5584, 0.7217,
0.2783

 48.9781, 0.5401,
0.3458


 1.9906, 0.7708,
0.2292

 66.8689, 0.5196,
0.3481

 0.6020, 0.8464,
0.1536

 88.6590, 0.5022,
0.3494


 0.0000, 1.0000,
0.0000

 114.7326, 0.4873,
0.3501

 0.0000, 0.0000,
0.0000


 145.4742, 0.4745,


0.3503


 181.2682, 0.4633,
0.3503


 14.8570, 0.6285,
0.3243


 14.8570, 0.6285,
0.3243


 14.8075, 0.6302,
0.3245

 15.5652, 0.6038,
0.3200

 17.0101, 0.5668,
0.3167

 19.3849, 0.5226,
0.3151

 22.8112, 0.4775,
0.3154

 27.3923, 0.4360,
0.3169

■ 33.2192, 0.4002,
0.3191

■ 40.3736, 0.3705,
0.3217

■ 48.9306, 0.3464,
0.3243

■ 58.9592, 0.3270,
0.3268

Harmonies

Analogous

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



14.8570, 0.5505, 0.2462



14.8570, 0.6285, 0.3243



14.8570, 0.5812, 0.4188

Triad

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



14.8570, 0.6285, 0.3243



14.8570, 0.1960, 0.6097



14.8570, 0.1216, 0.1153

Complementary

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



14.8570, 0.6285, 0.3243



53.6257, 0.2333, 0.3595

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.



14.8570, 0.0818, 0.1327



14.8570, 0.6285, 0.3243



14.8570, 0.1064, 0.3719

Square

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



14.8570, 0.6285, 0.3243



14.8570, 0.3236, 0.6538



14.8570, 0.0751, 0.2014



14.8570, 0.2110, 0.1299

Rectangle

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



14.8570, 0.6285, 0.3243



14.8570, 0.5040, 0.4960



14.8570, 0.0751, 0.2014



14.8570, 0.1040, 0.1172

Sweetspot

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



14.8580, 0.6285, 0.3243



56.8445, 0.3738, 0.3213



16.7230, 0.2958, 0.1406



11.1983, 0.3860, 0.3202



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.



14.8580, 0.6285, 0.3243



21.3299, 0.6314, 0.3252



21.7370, 0.5693, 0.3853



13.0721, 0.3276, 0.3267



8.9703, 0.6282, 0.3234



0.5884, 0.5982, 0.3069

Inverse Universe

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



14.8580, 0.6285, 0.3243



21.3299, 0.6314, 0.3252



21.2567, 0.1869, 0.1922



13.0721, 0.3276, 0.3267



8.9703, 0.6282, 0.3234



0.5884, 0.5982, 0.3069

Previews

White Background



This preview shows how the Yxy color 14.8570, 0.6285, 0.3243 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 14.8570, 0.6285, 0.3243

Background



This preview shows how black text looks on a background with the Yxy color 14.8570, 0.6285, 0.3243.



This preview shows how white text looks on a background with the Yxy color 14.8570, 0.6285, 0.3243.

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

14.8570, 0.6285, 0.3243

Protanopia

15.4566, 0.4134, 0.4558

Tritanopia

15.0992, 0.6338, 0.3350

Trichromacy



Original Color

14.8570, 0.6285, 0.3243

Protanomaly

11.7959, 0.5266, 0.3774

Tritanomaly

14.9043, 0.6333, 0.3311

Monochromacy



Original Color

14.8570, 0.6285, 0.3243

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.3357, 0.4858, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8570, 0.6285, 0.3243 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, 2, 23)` looks like.

```
.text, #text, p{  
    color:rgb(217, 2, 23)  
}
```

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, 2, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 2, 23) }
```

Border

The CSS property to change the border of an element to Yxy 14.8570, 0.6285, 0.3243 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, 2, 23) }
```

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

```
.border{ border-color:rgb(217, 2, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 2, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 2, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 2, 23);  
box-shadow:4px 4px 4px 4px rgb(217, 2, 23)  
}
```

Background

The CSS property to change the background color of an element to Yxy 14.8570, 0.6285, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 2, 23) }
```

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

```
.background{ background-color: rgb(217, 2,  
23) }
```

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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