

Converting Colors

$Y_{xy}(14.7689, 0.6301, 0.3245)$

Have a look what the booklet for
Yxy(14.7689, 0.6301, 0.3245)
contains.

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Color

Yxy(14.8059, 0.6304, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	D90015
RGB	217, 0, 21
RGB Percent	85%, 0%, 8%
CMY	0.1490, 1.0000, 0.9176
CMYK	0.00, 1.00, 0.90, 0.15
HSL	354°, 100%, 43%
HSV	354°, 100%, 85%
XYZ	28.7543, 14.8059, 2.0526
YIQ	67.2770, 122.5910, 52.5350

Conversions

Conversions Part 2

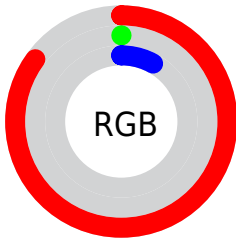
Format	Color
R_YB	217, 0, 21
Decimal	14221333
CIE Lab	45.37, 71.14, 52.58
CIE LCh	45, 88.460, 36.467
Yxy	14.8059, 0.6304, 0.3246
Android (android.graphics.Color)	4292411413 (0xFFD90015)
YUV	67.2770, -22.8146, 131.3071
Hunter-Lab	38.4784, 66.0528, 23.7722

Details

The Yxy color **14.8059, 0.6304, 0.3246** 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 **53.6189, 0.2332, 0.3595**, and the grayscale version is **5.6823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6568, 0.5514, 0.3452**, and **6.6754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.8082, 0.6304, 0.3246**, and if you desaturate by 10%, it is **15.4739, 0.6068, 0.3205**.

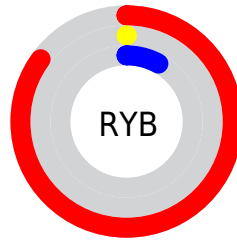
Distribution



Red (85%)

Green (0%)

Blue (8%)



Red (85%)

Yellow (0%)

Blue (8%)

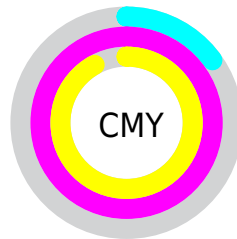


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8059, 0.6304, 0.3246 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 14.8059, 0.6304, 0.3246 by changing the saturation by 10% instead.


 14.8059, 0.6304,
0.3246


 14.8059, 0.6304,
0.3246


222.1884, 0.4548,
0.3508

 8.6833, 0.6725,
0.3067


 34.5123, 0.5664,
0.3424


 4.5352, 0.7224,
0.2776

 48.8649, 0.5420,
0.3465


 1.9772, 0.7716,
0.2284

 66.7296, 0.5213,
0.3489

 0.5942, 0.8477,
0.1523

 88.4907, 0.5038,
0.3502

 0.0000, 1.0000,
0.0000


 114.5328, 0.4888,
0.3508


 0.0000, 0.0000,
0.0000


 145.2402, 0.4759,


0.3511


 180.9972, 0.4646,
0.3510


 14.8059, 0.6304,
0.3246


 14.8059, 0.6304,
0.3246


 14.8082, 0.6304,
0.3246

 15.4739, 0.6068,
0.3205

 16.8398, 0.5708,
0.3170

 19.1231, 0.5270,
0.3153

 22.4479, 0.4817,
0.3154

 26.9188, 0.4398,
0.3168

■ 32.6278, 0.4034,
0.3190

■ 39.6575, 0.3731,
0.3215

■ 48.0834, 0.3485,
0.3241

■ 57.9752, 0.3286,
0.3266

Harmonies

Analogous

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



14.8059, 0.5540, 0.2465



14.8059, 0.6304, 0.3246



14.8059, 0.5806, 0.4194

Triad

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



14.8059, 0.6304, 0.3246



14.8059, 0.1934, 0.6102



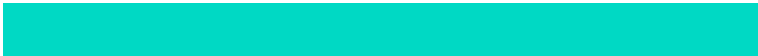
14.8059, 0.1215, 0.1144

Complementary

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



14.8059, 0.6304, 0.3246



53.6189, 0.2332, 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.



14.8059, 0.0811, 0.1312



14.8059, 0.6304, 0.3246



14.8059, 0.1044, 0.3691

Square

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



14.8059, 0.6304, 0.3246



14.8059, 0.3211, 0.6569



14.8059, 0.0739, 0.1991



14.8059, 0.2118, 0.1294

Rectangle

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



14.8059, 0.6304, 0.3246



14.8059, 0.5026, 0.4974



14.8059, 0.0739, 0.1991



14.8059, 0.1036, 0.1161

Sweetspot

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



14.8082, 0.6304, 0.3246



56.8414, 0.3738, 0.3214



16.6545, 0.2956, 0.1402



11.1976, 0.3861, 0.3203



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.



14.8082, 0.6304, 0.3246



21.3289, 0.6315, 0.3252



21.5391, 0.5714, 0.3845



13.0719, 0.3276, 0.3268



8.9697, 0.6283, 0.3235



0.5883, 0.5985, 0.3071

Inverse Universe

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



14.8082, 0.6304, 0.3246



21.3289, 0.6315, 0.3252



21.0315, 0.1864, 0.1908



13.0719, 0.3276, 0.3268



8.9697, 0.6283, 0.3235



0.5883, 0.5985, 0.3071

Previews

White Background



This preview shows how the Yxy color 14.8059, 0.6304, 0.3246 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 14.8059, 0.6304, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 14.8059, 0.6304, 0.3246.



This preview shows how white text looks on a background with the Yxy color 14.8059, 0.6304, 0.3246.

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

14.8059, 0.6304, 0.3246

Protanopia

15.4426, 0.4152, 0.4585

Deuteranopia

15.3039, 0.4694, 0.4655

Trichromacy



Original Color

14.8059, 0.6304, 0.3246

Protanomaly

11.6582, 0.5305, 0.3779

Deuteranomaly

12.1295, 0.5659, 0.3828

Monochromacy



Original Color

14.8059, 0.6304, 0.3246

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

6.0956, 0.4916, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8059, 0.6304, 0.3246 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 21) }
```

Border

The CSS property to change the border of an element to Yxy 14.8059, 0.6304, 0.3246 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, 21) }
```

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

```
.border{ border-color:rgb(217, 0, 21) }
```

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, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to Yxy 14.8059, 0.6304, 0.3246 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, 21) }
```

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

```
.background{ background-color: rgb(217, 0,  
21) }
```

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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