

Converting Colors

$Y_{xy}(17.2834, 0.6133, 0.3437)$

Have a look what the booklet for
Yxy(17.2834, 0.6133, 0.3437)
contains.

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Color

Yxy(17.2834, 0.6133, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	DD2D0F
RGB	221, 45, 15
RGB Percent	87%, 18%, 6%
CMY	0.1334, 0.8234, 0.9412
CMYK	0.00, 0.80, 0.93, 0.13
HSL	9°, 87%, 46%
HSV	9°, 93%, 87%
XYZ	30.8406, 17.2834, 2.1623
YIQ	94.2040, 114.5260, 27.9820

Conversions

Conversions Part 2

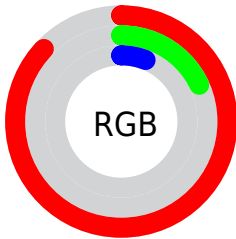
Format	Color
RYB	221, 50, 15
Decimal	14494991
CIELab	48.62, 65.07, 57.24
CIElCh	49, 86.666, 41.340
Yxy	17.2834, 0.6133, 0.3437
Android (android.graphics.Color)	4292685071 (0xFFDD2D0F)
YUV	94.2040, -39.0476, 111.2001
Hunter-Lab	41.5733, 59.6645, 26.0175

Details

The Yxy color **17.2834, 0.6133, 0.3437** 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 **42.5579, 0.2133, 0.2849**, and the grayscale version is **11.3230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1687, 0.5364, 0.3634**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.4156, 0.6278, 0.3397**, and if you desaturate by 10%, it is **19.1616, 0.5824, 0.3490**.

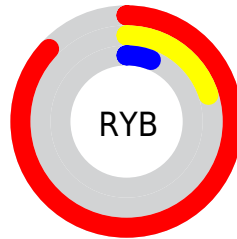
Distribution



Red (87%)

Green (18%)

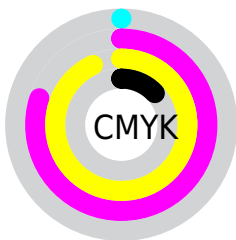
Blue (6%)



Red (87%)

Yellow (20%)

Blue (6%)

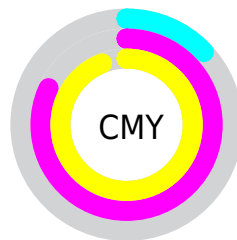


Cyan (0%)

Magenta (80%)

Yellow (93%)

Black (13%)



Cyan (13%)


Magenta (82%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2834, 0.6133, 0.3437 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 17.2834, 0.6133, 0.3437 by changing the saturation by 10% instead.


 17.2834, 0.6133,
0.3437


 17.2834, 0.6133,
0.3437


236.8003, 0.4515,
0.3592


 10.4368, 0.6504,
0.3290


 38.8124, 0.5556,
0.3572


 5.6895, 0.6950,
0.3050

 54.2635, 0.5331,
0.3598


 2.6572, 0.7379,
0.2621

 73.3516, 0.5140,
0.3609

 0.9555, 0.7996,
0.2004

 96.4611, 0.4977,
0.3613


 0.0000, 1.0000,
0.0000


 123.9763, 0.4837,
0.3611


 0.0000, 0.0000,
0.0000


 156.2816, 0.4715,


0.3606


 193.7615, 0.4608,
0.3600


 17.2834, 0.6133,
0.3437


 17.2834, 0.6133,
0.3437

 16.4156, 0.6278,
0.3397

 19.1616, 0.5824,
0.3490


 21.8426, 0.5422,
0.3515

 25.4061, 0.4985,
0.3515

 29.9212, 0.4562,
0.3494

 35.4500, 0.4182,
0.3460

 42.0494, 0.3857,
0.3421

 49.7719, 0.3585,
0.3380

 58.6667, 0.3362,
0.3339

 68.7798, 0.3179,
0.3302

Harmonies

Analogous

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



17.2834, 0.5598, 0.2649



17.2834, 0.6133, 0.3437



17.2834, 0.5565, 0.4404

Triad

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



17.2834, 0.6133, 0.3437



17.2834, 0.1857, 0.5572



17.2834, 0.1402, 0.1235

Complementary

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



17.2834, 0.6133, 0.3437



42.5579, 0.2133, 0.2849

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.



17.2834, 0.0938, 0.1351



17.2834, 0.6133, 0.3437



17.2834, 0.1067, 0.3347

Square

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



17.2834, 0.6133, 0.3437



17.2834, 0.3065, 0.6431



17.2834, 0.0822, 0.1921



17.2834, 0.2381, 0.1430

Rectangle

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



17.2834, 0.6133, 0.3437



17.2834, 0.4818, 0.5182



17.2834, 0.0822, 0.1921



17.2834, 0.1201, 0.1236

Sweetspot

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



17.2845, 0.6133, 0.3437



63.2937, 0.3715, 0.3400



19.5852, 0.3551, 0.1753



12.5853, 0.3838, 0.3418



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.



17.2845, 0.6133, 0.3437



22.5951, 0.6287, 0.3390



35.7954, 0.4942, 0.4412



13.3564, 0.3288, 0.3325



9.6377, 0.6259, 0.3412



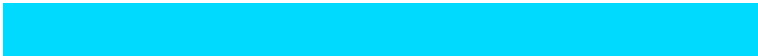
0.7239, 0.5988, 0.3627

Inverse Universe

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



42.5579, 0.2133, 0.2849



57.2631, 0.2114, 0.2811



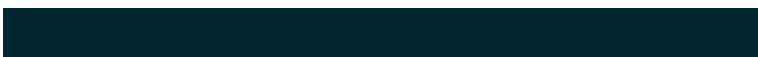
12.7228, 0.1701, 0.1277



14.4889, 0.2982, 0.3255



24.2467, 0.2118, 0.2823



1.6610, 0.2141, 0.2906

Previews

White Background



This preview shows how the Yxy color 17.2834, 0.6133, 0.3437 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 17.2834, 0.6133, 0.3437 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 17.2834, 0.6133, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 17.2834, 0.6133, 0.3437.



This preview shows how white text looks on a background with the Yxy color 17.2834, 0.6133, 0.3437.

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

17.2834, 0.6133, 0.3437

Protanopia

17.5727, 0.4241, 0.4708

Deuteranopia

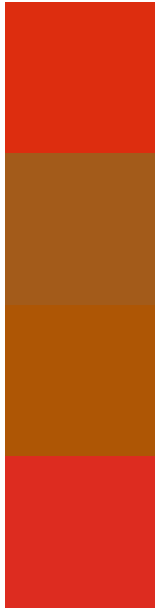
17.3549, 0.4710, 0.4642



Tritanopia

17.2671, 0.5952, 0.3305

Trichromacy



Original Color

17.2834, 0.6133, 0.3437

Protanomaly

15.3433, 0.5101, 0.4112

Deuteranomaly

15.6652, 0.5399, 0.4064

Tritanomaly

17.2778, 0.6036, 0.3366

Monochromacy



Original Color

17.2834, 0.6133, 0.3437

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.1260, 0.4504, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2834, 0.6133, 0.3437 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(221, 45, 15)` looks like.

```
.text, #text, p{  
  color:rgb(221, 45, 15)  
}
```

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(221, 45, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 45, 15) }
```

Border

The CSS property to change the border of an element to Yxy 17.2834, 0.6133, 0.3437 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(221, 45, 15) }
```

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

```
.border{ border-color:rgb(221, 45, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 45, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 45, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 45, 15);  
box-shadow:4px 4px 4px 4px rgb(221, 45,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2834, 0.6133, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 45, 15) }
```

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

```
.background{ background-color: rgb(221, 45,  
15) }
```

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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