

Converting Colors

$Y_{xy}(17.4197, 0.6280, 0.3395)$

Have a look what the booklet for
Yxy(17.4197, 0.6280, 0.3395)
contains.

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Color

Yxy(17.4186, 0.6281, 0.3395)

Conversions

Conversions Part 1

Format	Color
Hex	E32100
RGB	227, 33, 0
RGB Percent	89%, 13%, 0%
CMY	0.1097, 0.8707, 1.0000
CMYK	0.00, 0.85, 1.00, 0.11
HSL	9°, 100%, 45%
HSV	9°, 100%, 89%
XYZ	32.2257, 17.4186, 1.6623
YIQ	87.2440, 126.2170, 30.8650

Conversions

Conversions Part 2

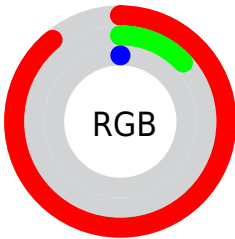
Format	Color
R_{YB}	227, 39, 0
Decimal	14885120
CIE Lab	48.78, 69.41, 62.08
CIE LCh	49, 93.124, 41.808
Yxy	17.4186, 0.6281, 0.3395
Android (android.graphics.Color)	4293075200 (0xFFE32100)
YUV	87.2440, -43.0113, 122.5660
Hunter-Lab	41.7356, 64.7896, 26.8534

Details

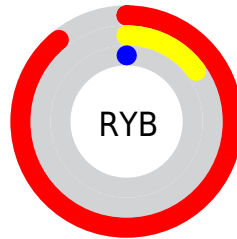
The Yxy color **17.4186, 0.6281, 0.3395** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **44.1454, 0.2116, 0.2816**, and the grayscale version is **9.6586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8628, 0.5495, 0.3637**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.4198, 0.6281, 0.3395**, and if you desaturate by 10%, it is **18.8842, 0.6052, 0.3455**.

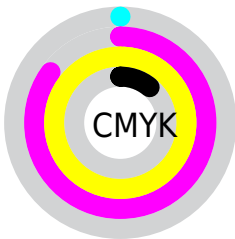
Distribution



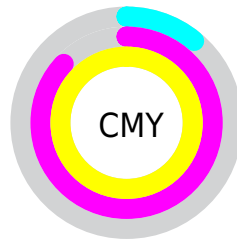
- Red (89%)
- Green (13%)
- Blue (0%)



- Red (89%)
- Yellow (15%)
- Blue (0%)



- Cyan (0%)
- Magenta (85%)
- Yellow (100%)
- Black (11%)





- Cyan (11%)
- Magenta (87%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4186, 0.6281, 0.3395 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 17.4186, 0.6281, 0.3395 by changing the saturation by 10% instead.


 17.4186, 0.6281,
0.3395


 17.4186, 0.6281,
0.3395


 237.5732, 0.4616,
0.3609


 10.5334, 0.6662,
0.3235


 39.0441, 0.5702,
0.3560


 5.7540, 0.7049,
0.2951

 54.5532, 0.5471,
0.3595


 2.6961, 0.7485,
0.2515

 73.7057, 0.5274,
0.3614

 0.9752, 0.8102,
0.1898

 96.8860, 0.5104,
0.3622

 0.0000, 1.0000,
0.0000


 124.4785, 0.4956,
0.3623

 0.0000, 0.0000,
0.0000


 156.8676, 0.4828,


0.3620


 194.4377, 0.4715,
0.3615

 17.4186, 0.6281,
0.3395


 17.4186, 0.6281,
0.3395


 17.4198, 0.6281,
0.3395

 18.8842, 0.6052,
0.3455

 21.1330, 0.5708,
0.3500

 24.2666, 0.5288,
0.3517

 28.3656, 0.4850,
0.3509

 33.5014, 0.4438,
0.3484

■ 39.7385, 0.4074,
0.3448

■ 47.1363, 0.3765,
0.3407

■ 55.7496, 0.3509,
0.3366

■ 65.6300, 0.3299,
0.3327

Harmonies

Analogous

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



17.4186, 0.5777, 0.2605



17.4186, 0.6281, 0.3395



17.4186, 0.5613, 0.4387

Triad

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



17.4186, 0.6281, 0.3395



17.4186, 0.1738, 0.5735



17.4186, 0.1335, 0.1152

Complementary

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



17.4186, 0.6281, 0.3395



44.1454, 0.2116, 0.2816

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.



17.4186, 0.0860, 0.1258



17.4186, 0.6281, 0.3395



17.4186, 0.0956, 0.3293

Square

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



17.4186, 0.6281, 0.3395



17.4186, 0.2968, 0.6640



17.4186, 0.0733, 0.1817



17.4186, 0.2353, 0.1355

Rectangle

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



17.4186, 0.6281, 0.3395



17.4186, 0.4794, 0.5206



17.4186, 0.0733, 0.1817



17.4186, 0.1129, 0.1151

Sweetspot

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



17.4198, 0.6281, 0.3395



61.1543, 0.3771, 0.3408



20.3527, 0.3583, 0.1747



12.1772, 0.3895, 0.3426



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.



17.4198, 0.6281, 0.3395



22.5860, 0.6288, 0.3389



36.2118, 0.5037, 0.4382



14.7041, 0.3289, 0.3325



10.2600, 0.6262, 0.3410



0.8646, 0.6021, 0.3601

Inverse Universe

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



44.1454, 0.2116, 0.2816



57.3389, 0.2115, 0.2813



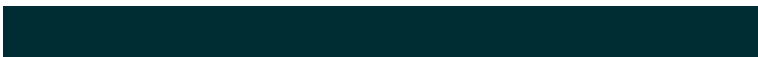
11.7699, 0.1651, 0.1145



15.9607, 0.2981, 0.3255



25.8757, 0.2118, 0.2824



2.0100, 0.2139, 0.2898

Previews

White Background



This preview shows how the Yxy color 17.4186, 0.6281, 0.3395 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 17.4186, 0.6281, 0.3395 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 17.4186, 0.6281, 0.3395

Background



This preview shows how black text looks on a background with the Yxy color 17.4186, 0.6281, 0.3395.



This preview shows how white text looks on a background with the Yxy color 17.4186, 0.6281, 0.3395.

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

17.4186, 0.6281, 0.3395

Protanopia

17.6317, 0.4280, 0.4737

Deuteranopia

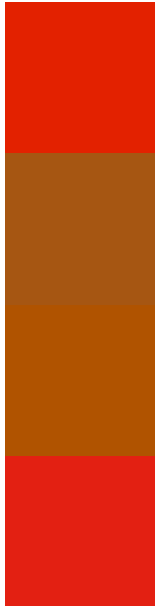
17.5719, 0.4694, 0.4655



Tritanopia

17.3947, 0.6165, 0.3312

Trichromacy



Original Color

17.4186, 0.6281, 0.3395

Protanomaly

14.8062, 0.5266, 0.4069

Deuteranomaly

15.4166, 0.5485, 0.4027

Tritanomaly

17.4076, 0.6219, 0.3351

Monochromacy



Original Color

17.4186, 0.6281, 0.3395

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.6934, 0.4764, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4186, 0.6281, 0.3395 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(227, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 33, 0)  
}
```

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(227, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 33, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4186, 0.6281, 0.3395 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(227, 33, 0) }
```

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

```
.border{ border-color:rgb(227, 33, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 33, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 33, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.4186, 0.6281, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 33, 0) }
```

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

```
.background{ background-color: rgb(227, 33,  
0) }
```

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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