

Converting Colors

$Y_{xy}(17.4251, 0.6373, 0.3322)$

Have a look what the booklet for
Yxy(17.4251, 0.6373, 0.3322)
contains.

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Color

Yxy(17.4187, 0.6372, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	E80C00
RGB	232, 12, 0
RGB Percent	91%, 5%, 0%
CMY	0.0902, 0.9528, 0.9995
CMYK	0.00, 0.95, 1.00, 0.09
HSL	3°, 100%, 46%
HSV	3°, 100%, 91%
XYZ	33.4112, 17.4187, 1.6045
YIQ	76.4120, 134.9720, 42.9080

Conversions

Conversions Part 2

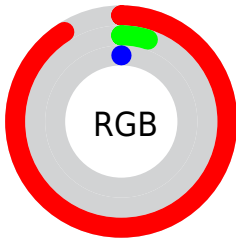
Format	Color
R_{YB}	232, 13, 0
Decimal	15207424
CIE _{Lab}	48.78, 73.64, 62.66
CIE _{LCh}	49, 96.690, 40.397
Yxy	17.4187, 0.6372, 0.3322
Android (android.graphics.Color)	4293397504 (0xFFE80C00)
YUV	76.4120, -37.6711, 136.4507
Hunter-Lab	41.7357, 69.8592, 26.9357

Details

The Yxy color **17.4187, 0.6372, 0.3322** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **57.0623, 0.2202, 0.3127**, and the grayscale version is **7.3643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5509, 0.5568, 0.3581**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.4169, 0.6373, 0.3322**, and if you desaturate by 10%, it is **18.3651, 0.6189, 0.3342**.

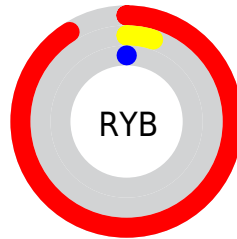
Distribution



Red (91%)

Green (5%)

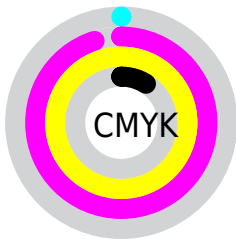
Blue (0%)



Red (91%)

Yellow (5%)

Blue (0%)

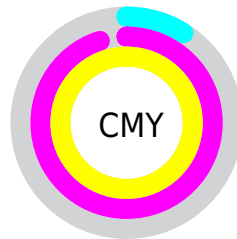


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (95%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4187, 0.6372, 0.3322 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 17.4187, 0.6372, 0.3322 by changing the saturation by 10% instead.


 17.4187, 0.6372,
0.3322


 17.4187, 0.6372,
0.3322


 237.5738, 0.4665,
0.3585


 10.5335, 0.6761,
0.3151


 39.0443, 0.5781,
0.3507


 5.7541, 0.7148,
0.2852

 54.5534, 0.5545,
0.3549


 2.6961, 0.7591,
0.2409

 73.7060, 0.5343,
0.3573

 0.9752, 0.8209,
0.1791

 96.8863, 0.5168,
0.3586


 0.0000, 1.0000,
0.0000


 124.4789, 0.5016,
0.3591


 0.0000, 0.0000,
0.0000


 156.8681, 0.4884,


0.3592


 194.4382, 0.4768,
0.3590

 17.4187, 0.6372,
0.3322


 17.4187, 0.6372,
0.3322


 17.4169, 0.6373,
0.3322


 18.3651, 0.6189,
0.3342

 20.1898, 0.5860,
0.3361

 23.0507, 0.5425,
0.3370

 27.0706, 0.4955,
0.3369

 32.3555, 0.4508,
0.3361

 38.9992, 0.4116,
0.3348

 47.0867, 0.3787,
0.3333

 56.6960, 0.3518,
0.3318

 67.8995, 0.3301,
0.3303

Harmonies

Analogous

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



17.4187, 0.5806, 0.2535



17.4187, 0.6372, 0.3322



17.4187, 0.5693, 0.4307

Triad

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



17.4187, 0.6372, 0.3322



17.4187, 0.1731, 0.5953



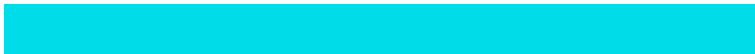
17.4187, 0.1260, 0.1105

Complementary

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



17.4187, 0.6372, 0.3322



57.0623, 0.2202, 0.3127

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.



17.4187, 0.0803, 0.1224



17.4187, 0.6372, 0.3322



17.4187, 0.0922, 0.3384

Square

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



17.4187, 0.6372, 0.3322



17.4187, 0.2985, 0.6732



17.4187, 0.0687, 0.1811



17.4187, 0.2260, 0.1296

Rectangle

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



17.4187, 0.6372, 0.3322



17.4187, 0.4855, 0.5145



17.4187, 0.0687, 0.1811



17.4187, 0.1060, 0.1108

Sweetspot

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



17.4198, 0.6372, 0.3322



58.1262, 0.3793, 0.3333



22.3475, 0.3340, 0.1614



11.4876, 0.3925, 0.3340



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, 0.6372, 0.3322



21.5503, 0.6375, 0.3320



32.5043, 0.5279, 0.4190



14.4860, 0.3291, 0.3303



9.7232, 0.6362, 0.3330



0.7607, 0.6256, 0.3415

Inverse Universe

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



57.0623, 0.2202, 0.3127



70.6676, 0.2202, 0.3126



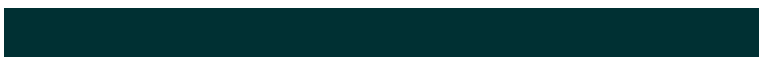
15.8215, 0.1720, 0.1391



16.2028, 0.2982, 0.3277



31.7346, 0.2203, 0.3130



2.3842, 0.2210, 0.3154

Previews

White Background



This preview shows how the Yxy color 17.4187, 0.6372, 0.3322 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 17.4187, 0.6372, 0.3322 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 17.4187, 0.6372, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 17.4187, 0.6372, 0.3322.



This preview shows how white text looks on a background with the Yxy color 17.4187, 0.6372, 0.3322.

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

17.4187, 0.6372, 0.3322

Protanopia

17.9561, 0.4268, 0.4722

Tritanopia

17.5253, 0.6343, 0.3346

Trichromacy



Original Color

17.4187, 0.6372, 0.3322

Protanomaly

13.9638, 0.5395, 0.3952

Tritanomaly

17.4215, 0.6354, 0.3337

Monochromacy



Original Color

17.4187, 0.6372, 0.3322

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.7462, 0.5010, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4187, 0.6372, 0.3322 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(232, 12, 0)` looks like.

```
.text, #text, p{  
  color:rgb(232, 12, 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(232, 12, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 12, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4187, 0.6372, 0.3322 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(232, 12, 0) }
```

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

```
.border{ border-color:rgb(232, 12, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 12, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 12, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 12, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 12, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 17.4187, 0.6372, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 12, 0) }
```

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

```
.background{ background-color: rgb(232, 12,  
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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