

Converting Colors

$Y_{xy}(17.7973, 0.6332, 0.3353)$

Have a look what the booklet for
Yxy(17.7973, 0.6332, 0.3353)
contains.

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Color

Yxy(17.8091, 0.6331, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	E81800
RGB	232, 24, 0
RGB Percent	91%, 9%, 0%
CMY	0.0902, 0.9058, 0.9999
CMYK	0.00, 0.90, 1.00, 0.09
HSL	6°, 100%, 45%
HSV	6°, 100%, 91%
XYZ	33.6064, 17.8091, 1.6668
YIQ	83.4560, 131.6720, 36.6320

Conversions

Conversions Part 2

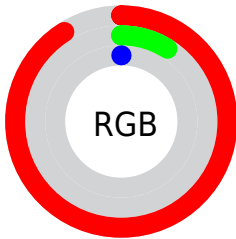
Format	Color
R_{YB}	232, 27, 0
Decimal	15210496
CIE Lab	49.26, 72.25, 62.86
CIE LCh	49, 95.772, 41.026
Yxy	17.8091, 0.6331, 0.3355
Android (android.graphics.Color)	4293400576 (0xFFE81800)
YUV	83.4560, -41.1438, 130.2731
Hunter-Lab	42.2008, 68.2960, 27.1988

Details

The Yxy color **17.8091, 0.6331, 0.3355** 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 **50.9423, 0.2155, 0.2957**, and the grayscale version is **8.8161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2908, 0.5523, 0.3610**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.8095, 0.6331, 0.3355**, and if you desaturate by 10%, it is **19.0818, 0.6121, 0.3399**.

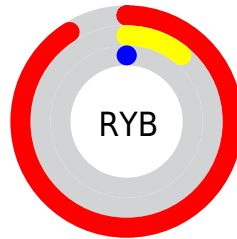
Distribution



Red (91%)

Green (9%)

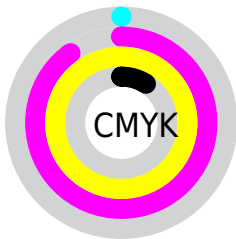
Blue (0%)



Red (91%)

Yellow (11%)

Blue (0%)

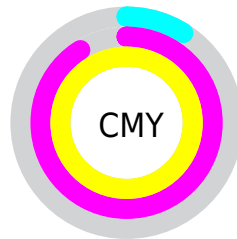


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8091, 0.6331, 0.3355 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 17.8091, 0.6331, 0.3355 by changing the saturation by 10% instead.


 17.8091, 0.6331,
0.3355

 17.8091, 0.6331,
0.3355


 239.7928, 0.4649,
0.3596


 10.8130, 0.6711,
0.3189


 39.7118, 0.5749,
0.3530


 5.9412, 0.7098,
0.2902


 55.3871, 0.5517,
0.3569


 2.8094, 0.7532,
0.2468


 74.7244, 0.5317,
0.3591

 1.0330, 0.8140,
0.1860

 98.1079, 0.5145,
0.3602


 0.0000, 1.0000,
0.0000


 125.9222, 0.4995,
0.3606

 0.0000, 0.0000,
0.0000


 158.5515, 0.4865,

0.3605


 196.3802, 0.4750,
0.3602


 17.8091, 0.6331,
0.3355

 17.8091, 0.6331,
0.3355


 17.8095, 0.6331,
0.3355

 19.0818, 0.6121,
0.3399

 21.2086, 0.5782,
0.3434

 24.3160, 0.5353,
0.3450

 28.5042, 0.4900,
0.3446

 33.8608, 0.4471,
0.3429

■ 40.4644, 0.4094,
0.3403

■ 48.3869, 0.3776,
0.3374

■ 57.6945, 0.3514,
0.3345

■ 68.4491, 0.3300,
0.3316

Harmonies

Analogous

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



17.8091, 0.5793, 0.2567



17.8091, 0.6331, 0.3355



17.8091, 0.5657, 0.4343

Triad

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



17.8091, 0.6331, 0.3355



17.8091, 0.1734, 0.5854



17.8091, 0.1293, 0.1126

Complementary

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



17.8091, 0.6331, 0.3355



50.9423, 0.2155, 0.2957

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.



17.8091, 0.0828, 0.1239



17.8091, 0.6331, 0.3355



17.8091, 0.0938, 0.3342

Square

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



17.8091, 0.6331, 0.3355



17.8091, 0.2977, 0.6690



17.8091, 0.0708, 0.1814



17.8091, 0.2302, 0.1322

Rectangle

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



17.8091, 0.6331, 0.3355



17.8091, 0.4827, 0.5173



17.8091, 0.0708, 0.1814



17.8091, 0.1091, 0.1127

Sweetspot

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



17.8102, 0.6331, 0.3355



59.7864, 0.3780, 0.3375



21.7505, 0.3482, 0.1692



11.8649, 0.3909, 0.3387



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.



17.8102, 0.6331, 0.3355



22.0155, 0.6336, 0.3351



35.6824, 0.5134, 0.4306



14.6066, 0.3290, 0.3315



9.9720, 0.6315, 0.3368



0.8183, 0.6121, 0.3521

Inverse Universe

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



50.9423, 0.2155, 0.2957



63.0511, 0.2154, 0.2955



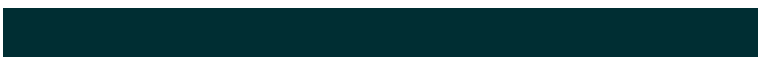
13.6225, 0.1677, 0.1237



16.0682, 0.2982, 0.3265



28.3890, 0.2156, 0.2963



2.1716, 0.2171, 0.3014

Previews

White Background



This preview shows how the Yxy color 17.8091, 0.6331, 0.3355 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 17.8091, 0.6331, 0.3355 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.8091, 0.6331, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 17.8091, 0.6331, 0.3355.



This preview shows how white text looks on a background with the Yxy color 17.8091, 0.6331, 0.3355.

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

17.8091, 0.6331, 0.3355

Protanopia

18.0321, 0.4288, 0.4722

Tritanopia

17.8003, 0.6288, 0.3325

Trichromacy



Original Color

17.8091, 0.6331, 0.3355

Protanomaly

14.8193, 0.5329, 0.4021

Tritanomaly

17.7883, 0.6305, 0.3335

Monochromacy



Original Color

17.8091, 0.6331, 0.3355

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.0207, 0.4851, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8091, 0.6331, 0.3355 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, 24, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 24, 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, 24, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 24, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.8091, 0.6331, 0.3355 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, 24, 0) }
```

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

```
.border{ border-color:rgb(232, 24, 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, 24, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 24, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 24, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 24, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 17.8091, 0.6331, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 24, 0) }
```

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

```
.background{ background-color: rgb(232, 24,  
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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