

Converting Colors

$Y_{xy}(17.7924, 0.6314, 0.3252)$

Have a look what the booklet for
Yxy(17.7924, 0.6314, 0.3252)
contains.

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Color

Yxy(17.7201, 0.6314, 0.3252)

Conversions

Conversions Part 1

Format	Color
Hex	EB0016
RGB	235, 0, 22
RGB Percent	92%, 0%, 9%
CMY	0.0784, 0.9997, 0.9138
CMYK	0.00, 1.00, 0.91, 0.08
HSL	354°, 100%, 46%
HSV	354°, 100%, 92%
XYZ	34.4049, 17.7201, 2.3649
YIQ	72.7730, 132.9980, 56.6620

Conversions

Conversions Part 2

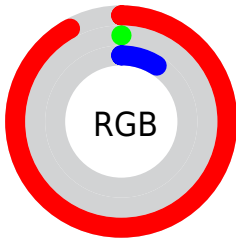
Format	Color
RYB	235, 0, 22
Decimal	15400982
CIELab	49.15, 75.50, 56.53
CIELCh	49, 94.320, 36.826
Yxy	17.7201, 0.6314, 0.3252
Android (android.graphics.Color)	4293591062 (0xFFEB0016)
YUV	72.7730, -25.0311, 142.2731
Hunter-Lab	42.0952, 72.2233, 26.1358

Details

The Yxy color **17.7201, 0.6314, 0.3252** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **64.2245, 0.2329, 0.3584**, and the grayscale version is **6.6565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3565, 0.5461, 0.3472**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.7191, 0.6314, 0.3252**, and if you desaturate by 10%, it is **18.4744, 0.6087, 0.3211**.

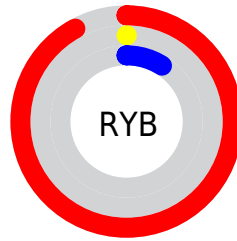
Distribution



Red (92%)

Green (0%)

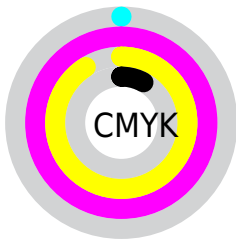
Blue (9%)



Red (92%)

Yellow (0%)

Blue (9%)

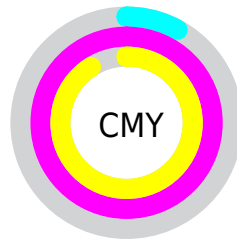


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7201, 0.6314, 0.3252 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 17.7201, 0.6314, 0.3252 by changing the saturation by 10% instead.


 17.7201, 0.6314,
0.3252


 17.7201, 0.6314,
0.3252


239.2886, 0.4606,
0.3516


 10.7492, 0.6699,
0.3081


 39.5598, 0.5707,
0.3426


 5.8985, 0.7176,
0.2824

 55.1974, 0.5470,
0.3467

 2.7834, 0.7617,
0.2383

 74.4927, 0.5269,
0.3492

 1.0197, 0.8227,
0.1773

 97.8301, 0.5097,
0.3506


 0.0000, 1.0000,
0.0000


 125.5940, 0.4948,
0.3514


 0.0000, 0.0000,
0.0000


 158.1688, 0.4819,


0.3517


 195.9389, 0.4706,
0.3518

 17.7201, 0.6314,
0.3252


 17.7201, 0.6314,
0.3252


 17.7191, 0.6314,
0.3252

 18.4744, 0.6087,
0.3211

 20.0784, 0.5731,
0.3177

 22.7857, 0.5292,
0.3159

 26.7480, 0.4835,
0.3160

 32.0930, 0.4411,
0.3172

■ 38.9327, 0.4043,
0.3193

■ 47.3675, 0.3736,
0.3218

■ 57.4894, 0.3487,
0.3243

■ 69.3830, 0.3287,
0.3267

Harmonies

Analogous

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



17.7201, 0.5567, 0.2470



17.7201, 0.6314, 0.3252



17.7201, 0.5797, 0.4203

Triad

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



17.7201, 0.6314, 0.3252



17.7201, 0.1913, 0.6095



17.7201, 0.1217, 0.1139

Complementary

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



17.7201, 0.6314, 0.3252



64.2245, 0.2329, 0.3584

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.



17.7201, 0.0809, 0.1302



17.7201, 0.6314, 0.3252



17.7201, 0.1031, 0.3663

Square

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



17.7201, 0.6314, 0.3252



17.7201, 0.3184, 0.6576



17.7201, 0.0733, 0.1972



17.7201, 0.2129, 0.1292

Rectangle

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



17.7201, 0.6314, 0.3252



17.7201, 0.5011, 0.4989



17.7201, 0.0733, 0.1972



17.7201, 0.1037, 0.1154

Sweetspot

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



17.7212, 0.6314, 0.3252



56.8295, 0.3741, 0.3217



19.9234, 0.2955, 0.1402



11.1949, 0.3864, 0.3207



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.



17.7212, 0.6314, 0.3252



21.3250, 0.6320, 0.3255



25.6760, 0.5721, 0.3839



15.0768, 0.3278, 0.3268



9.8699, 0.6293, 0.3241



0.7828, 0.6047, 0.3105

Inverse Universe

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



17.7212, 0.6314, 0.3252



21.3250, 0.6320, 0.3255



25.0577, 0.1862, 0.1902



15.0768, 0.3278, 0.3268



9.8699, 0.6293, 0.3241



0.7828, 0.6047, 0.3105

Previews

White Background



This preview shows how the Yxy color 17.7201, 0.6314, 0.3252 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 ✓ 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 17.7201, 0.6314, 0.3252

Background



This preview shows how black text looks on a background with the Yxy color 17.7201, 0.6314, 0.3252.



This preview shows how white text looks on a background with the Yxy color 17.7201, 0.6314, 0.3252.

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

17.7201, 0.6314, 0.3252

Protanopia

18.3546, 0.4176, 0.4588

Deuteranopia

18.2943, 0.4699, 0.4651



Tritanopia

17.8975, 0.6340, 0.3348

Trichromacy



Original Color

17.7201, 0.6314, 0.3252



Protanomaly

13.8363, 0.5328, 0.3787



Deuteranomaly

14.4760, 0.5668, 0.3831



Tritanomaly

17.8240, 0.6341, 0.3311

Monochromacy



Original Color

17.7201, 0.6314, 0.3252



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

7.1259, 0.4946, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7201, 0.6314, 0.3252 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(235, 0, 22)` looks like.

```
.text, #text, p{  
  color:rgb(235, 0, 22)  
}
```

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(235, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 22) }
```

Border

The CSS property to change the border of an element to Yxy 17.7201, 0.6314, 0.3252 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(235, 0, 22) }
```

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

```
.border{ border-color:rgb(235, 0, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7201, 0.6314, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 22) }
```

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

```
.background{ background-color: rgb(235, 0,  
22) }
```

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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