

Converting Colors

$Y_{xy}(17.3386, 0.6275, 0.3272)$

Have a look what the booklet for
Yxy(17.3386, 0.6275, 0.3272)
contains.

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Color

Yxy(17.3386, 0.6275, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	E70D17
RGB	231, 13, 23
RGB Percent	91%, 5%, 9%
CMY	0.0941, 0.9487, 0.9101
CMYK	0.00, 0.94, 0.90, 0.09
HSL	357°, 89%, 48%
HSV	357°, 94%, 91%
XYZ	33.2517, 17.3386, 2.4005
YIQ	79.3220, 126.7180, 49.3260

Conversions

Conversions Part 2

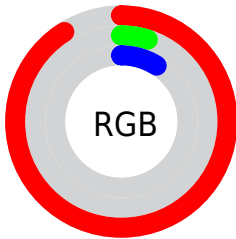
Format	Color
RYB	231, 13, 23
Decimal	15142167
CIELab	48.68, 73.50, 55.44
CIELCh	49, 92.069, 37.027
Yxy	17.3386, 0.6275, 0.3272
Android (android.graphics.Color)	4293332247 (0xFFE70D17)
YUV	79.3220, -27.7667, 133.0216
Hunter-Lab	41.6396, 69.6735, 25.7297

Details

The Yxy color **17.3386, 0.6275, 0.3272** 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 **62.4642, 0.2289, 0.3420**, and the grayscale version is **7.9288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7203, 0.5434, 0.3482**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.0108, 0.6365, 0.3280**, and if you desaturate by 10%, it is **18.4506, 0.6001, 0.3251**.

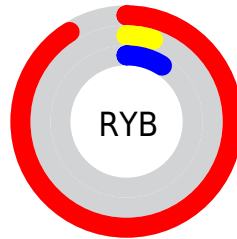
Distribution



Red (91%)

Green (5%)

Blue (9%)



Red (91%)

Yellow (5%)

Blue (9%)

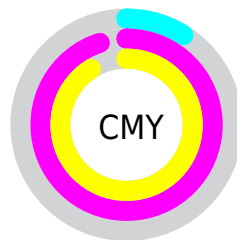


Cyan (0%)

Magenta (94%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (95%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3386, 0.6275, 0.3272 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 17.3386, 0.6275, 0.3272 by changing the saturation by 10% instead.


 17.3386, 0.6275,
0.3272


 17.3386, 0.6275,
0.3272


237.1161, 0.4577,
0.3519


 10.4762, 0.6662,
0.3105


 38.9070, 0.5668,
0.3439


 5.7158, 0.7148,
0.2852

 54.3819, 0.5432,
0.3478


 2.6731, 0.7593,
0.2407

 73.4963, 0.5232,
0.3500

 0.9635, 0.8213,
0.1787

 96.6347, 0.5061,
0.3513


 0.0000, 1.0000,
0.0000


 124.1815, 0.4914,
0.3520


 0.0000, 0.0000,
0.0000


 156.5211, 0.4787,


0.3522


 194.0378, 0.4675,
0.3521

 17.3386, 0.6275,
0.3272


 17.3386, 0.6275,
0.3272


 17.0108, 0.6365,
0.3280

 18.4506, 0.6001,
0.3251

 20.5515, 0.5597,
0.3236

 23.8043, 0.5131,
0.3231

 28.3421, 0.4669,
0.3233

 34.2795, 0.4254,
0.3240

■ 41.7188, 0.3902,
0.3251

■ 50.7525, 0.3613,
0.3263

■ 61.4657, 0.3381,
0.3274

■ 73.9375, 0.3196,
0.3285

Harmonies

Analogous

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



17.3386, 0.5540, 0.2490



17.3386, 0.6275, 0.3272



17.3386, 0.5776, 0.4224

Triad

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



17.3386, 0.6275, 0.3272



17.3386, 0.1931, 0.6026



17.3386, 0.1241, 0.1159

Complementary

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



17.3386, 0.6275, 0.3272



62.4642, 0.2289, 0.3420

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.



17.3386, 0.0831, 0.1322



17.3386, 0.6275, 0.3272



17.3386, 0.1053, 0.3647

Square

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



17.3386, 0.6275, 0.3272



17.3386, 0.3193, 0.6533



17.3386, 0.0754, 0.1987



17.3386, 0.2152, 0.1314

Rectangle

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



17.3386, 0.6275, 0.3272



17.3386, 0.5000, 0.5000



17.3386, 0.0754, 0.1987



17.3386, 0.1060, 0.1174

Sweetspot

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



17.3397, 0.6275, 0.3272



58.9552, 0.3716, 0.3258



21.2905, 0.3089, 0.1491



11.5881, 0.3844, 0.3253



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.



17.3397, 0.6275, 0.3272



21.2853, 0.6369, 0.3282



28.4184, 0.5457, 0.4004



14.3785, 0.3285, 0.3280



9.5419, 0.6351, 0.3272



0.7088, 0.6215, 0.3197

Inverse Universe

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



17.3397, 0.6275, 0.3272



21.2853, 0.6369, 0.3282



22.6136, 0.1847, 0.1819



14.3785, 0.3285, 0.3280



9.5419, 0.6351, 0.3272



0.7088, 0.6215, 0.3197

Previews

White Background



This preview shows how the Yxy color 17.3386, 0.6275, 0.3272 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 17.3386, 0.6275, 0.3272 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 17.3386, 0.6275, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 17.3386, 0.6275, 0.3272.



This preview shows how white text looks on a background with the Yxy color 17.3386, 0.6275, 0.3272.

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

17.3386, 0.6275, 0.3272

Protanopia

17.7223, 0.4171, 0.4575

Deuteranopia

17.6648, 0.4706, 0.4645



Tritanopia

17.3593, 0.6342, 0.3346

Trichromacy



Original Color

17.3386, 0.6275, 0.3272



Protanomaly

13.9348, 0.5242, 0.3835



Deuteranomaly

14.5147, 0.5599, 0.3885



Tritanomaly

17.2731, 0.6326, 0.3322

Monochromacy



Original Color

17.3386, 0.6275, 0.3272



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

8.1165, 0.4761, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3386, 0.6275, 0.3272 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(231, 13, 23)` looks like.

```
.text, #text, p{  
    color:rgb(231, 13, 23)  
}
```

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(231, 13, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 13, 23) }
```

Border

The CSS property to change the border of an element to Yxy 17.3386, 0.6275, 0.3272 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(231, 13, 23) }
```

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

```
.border{ border-color:rgb(231, 13, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 13, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 13, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 13, 23);  
box-shadow:4px 4px 4px 4px rgb(231, 13,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3386, 0.6275, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 13, 23) }
```

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

```
.background{ background-color: rgb(231, 13,  
23) }
```

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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