

Converting Colors

$Y_{xy}(17.3390, 0.6268, 0.3267)$

Have a look what the booklet for
Yxy(17.3390, 0.6268, 0.3267)
contains.

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Color

Yxy(17.3427, 0.6269, 0.3268)

Conversions

Conversions Part 1

Format	Color
Hex	E70D18
RGB	231, 13, 24
RGB Percent	91%, 5%, 9%
CMY	0.0940, 0.9493, 0.9060
CMYK	0.00, 0.94, 0.90, 0.09
HSL	357°, 89%, 48%
HSV	357°, 94%, 91%
XYZ	33.2685, 17.3427, 2.4571
YIQ	79.4360, 126.3970, 49.6370

Conversions

Conversions Part 2

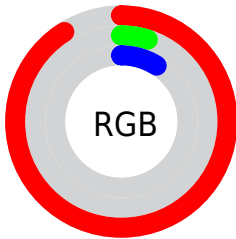
Format	Color
R_{YB}	231, 13, 24
Decimal	15142168
CIE Lab	48.69, 73.54, 55.02
CIE LCh	49, 91.842, 36.800
Yxy	17.3427, 0.6269, 0.3268
Android (android.graphics.Color)	4293332248 (0xFFE70D18)
YUV	79.4360, -27.3299, 132.9216
Hunter-Lab	41.6446, 69.7198, 25.6530

Details

The Yxy color **17.3427, 0.6269, 0.3268** 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 **62.4128, 0.2294, 0.3437**, and the grayscale version is **7.9334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7333, 0.5424, 0.3475**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.0180, 0.6360, 0.3277**, and if you desaturate by 10%, it is **18.4517, 0.5993, 0.3244**.

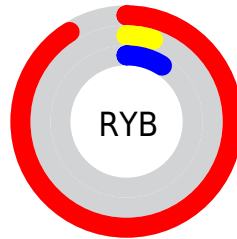
Distribution



Red (91%)

Green (5%)

Blue (9%)



Red (91%)

Yellow (5%)

Blue (9%)

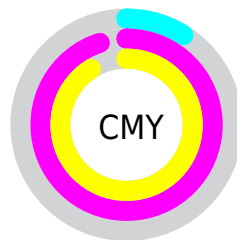


Cyan (0%)

Magenta (94%)

Yellow (90%)

Black (9%)



Cyan (9%)

Magenta (95%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3427, 0.6269, 0.3268 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 17.3427, 0.6269, 0.3268 by changing the saturation by 10% instead.


 17.3427, 0.6269,
0.3268

 17.3427, 0.6269,
0.3268


237.1396, 0.4572,
0.3514


 10.4791, 0.6657,
0.3101


 38.9141, 0.5661,
0.3434

 5.7178, 0.7149,
0.2851

 54.3906, 0.5425,
0.3473


 2.6742, 0.7594,
0.2406

 73.5070, 0.5226,
0.3495

 0.9641, 0.8213,
0.1787

 96.6476, 0.5055,
0.3508


 0.0000, 1.0000,
0.0000

 124.1967, 0.4908,
0.3515

 0.0000, 0.0000,
0.0000


 156.5388, 0.4781,


0.3517


 194.0583, 0.4670,
0.3517


 17.3427, 0.6269,
0.3268


 17.3427, 0.6269,
0.3268


 17.0180, 0.6360,
0.3277

 18.4517, 0.5993,
0.3244

 20.5481, 0.5588,
0.3228

 23.7950, 0.5123,
0.3222

 28.3252, 0.4663,
0.3225

 34.2535, 0.4250,
0.3234

■ 41.6820, 0.3899,
0.3246

■ 50.7032, 0.3612,
0.3259

■ 61.4022, 0.3381,
0.3272

■ 73.8580, 0.3196,
0.3285

Harmonies

Analogous

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



17.3427, 0.5523, 0.2487



17.3427, 0.6269, 0.3268



17.3427, 0.5782, 0.4218

Triad

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



17.3427, 0.6269, 0.3268



17.3427, 0.1943, 0.6031



17.3427, 0.1239, 0.1162

Complementary

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



17.3427, 0.6269, 0.3268



62.4128, 0.2294, 0.3437

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.



17.3427, 0.0832, 0.1328



17.3427, 0.6269, 0.3268



17.3427, 0.1061, 0.3664

Square

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



17.3427, 0.6269, 0.3268



17.3427, 0.3206, 0.6521



17.3427, 0.0758, 0.1998



17.3427, 0.2145, 0.1315

Rectangle

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



17.3427, 0.6269, 0.3268



17.3427, 0.5010, 0.4990



17.3427, 0.0758, 0.1998



17.3427, 0.1059, 0.1178

Sweetspot

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



17.3438, 0.6269, 0.3268



58.9724, 0.3713, 0.3254



20.7285, 0.3049, 0.1469



11.5920, 0.3840, 0.3248



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.



17.3438, 0.6269, 0.3268



21.2889, 0.6364, 0.3280



27.6261, 0.5504, 0.3966



14.3798, 0.3285, 0.3278



9.5441, 0.6345, 0.3269



0.7095, 0.6193, 0.3185

Inverse Universe

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



17.3438, 0.6269, 0.3268



21.2889, 0.6364, 0.3280



23.6077, 0.1862, 0.1873



14.3798, 0.3285, 0.3278



9.5441, 0.6345, 0.3269



0.7095, 0.6193, 0.3185

Previews

White Background



This preview shows how the Yxy color 17.3427, 0.6269, 0.3268 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 17.3427, 0.6269, 0.3268 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 17.3427, 0.6269, 0.3268

Background



This preview shows how black text looks on a background with the Yxy color 17.3427, 0.6269, 0.3268.



This preview shows how white text looks on a background with the Yxy color 17.3427, 0.6269, 0.3268.

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

17.3427, 0.6269, 0.3268

Protanopia

17.7297, 0.4163, 0.4563

Deuteranopia

17.6648, 0.4706, 0.4645



Tritanopia

17.3593, 0.6342, 0.3346

Trichromacy



Original Color

17.3427, 0.6269, 0.3268

Protanomaly

13.9410, 0.5232, 0.3825

Deuteranomaly

14.5169, 0.5595, 0.3882

Tritanomaly

17.2753, 0.6323, 0.3320

Monochromacy



Original Color

17.3427, 0.6269, 0.3268

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 17.3427, 0.6269, 0.3268 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, 24)` looks like.

```
.text, #text, p{  
  color:rgb(231, 13, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 13, 24) }
```

Border

The CSS property to change the border of an element to Yxy 17.3427, 0.6269, 0.3268 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, 24) }
```

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

```
.border{ border-color:rgb(231, 13, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 13, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 13, 24);  
box-shadow:4px 4px 4px 4px rgb(231, 13,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3427, 0.6269, 0.3268 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, 24) }
```

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

```
.background{ background-color: rgb(231, 13,  
24) }
```

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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