

Converting Colors

$Y_{xy}(18.1722, 0.6123, 0.3333)$

Have a look what the booklet for
Yxy(18.1722, 0.6123, 0.3333)
contains.

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Color

Yxy(18.2399, 0.6124, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	E6251E
RGB	230, 37, 30
RGB Percent	90%, 15%, 12%
CMY	0.0980, 0.8550, 0.8822
CMYK	0.00, 0.84, 0.87, 0.10
HSL	2°, 80%, 51%
HSV	2°, 87%, 90%
XYZ	33.5338, 18.2399, 2.9843
YIQ	93.9090, 117.2750, 38.7390

Conversions

Conversions Part 2

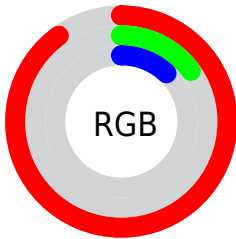
Format	Color
R_{YB}	230, 37, 30
Decimal	15082782
CIE Lab	49.79, 69.75, 53.12
CIE LCh	50, 87.674, 37.295
Yxy	18.2399, 0.6124, 0.3331
Android (android.graphics.Color)	4293272862 (0xFFE6251E)
YUV	93.9090, -31.5071, 119.3518
Hunter-Lab	42.7082, 65.4161, 25.7527

Details

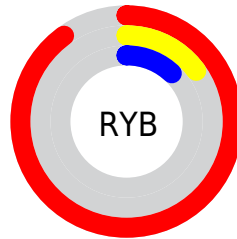
The Yxy color **18.2399, 0.6124, 0.3331** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **58.8147, 0.2240, 0.3195**, and the grayscale version is **11.2235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7107, 0.5279, 0.3520**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.1763, 0.6340, 0.3315**, and if you desaturate by 10%, it is **20.2292, 0.5759, 0.3342**.

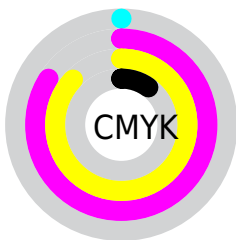
Distribution



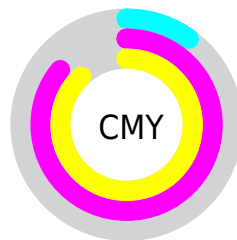
- Red (90%)
- Green (15%)
- Blue (12%)



- Red (90%)
- Yellow (15%)
- Blue (12%)



- Cyan (0%)
- Magenta (84%)
- Yellow (87%)
- Black (10%)





- Cyan (10%)
- Magenta (86%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2399, 0.6124, 0.3331 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 18.2399, 0.6124, 0.3331 by changing the saturation by 10% instead.


 18.2399, 0.6124,
0.3331


 18.2399, 0.6124,
0.3331


242.2198, 0.4501,
0.3520


 11.1224, 0.6502,
0.3186


 40.4457, 0.5537,
0.3469


 6.1492, 0.7021,
0.2979

 56.3027, 0.5312,
0.3499


 2.9360, 0.7443,
0.2557

 75.8417, 0.5121,
0.3516

 1.0984, 0.8038,
0.1962

 99.4470, 0.4959,
0.3524


 0.0000, 1.0000,
0.0000


 127.5031, 0.4820,
0.3527


 0.0000, 0.0000,
0.0000


 160.3944, 0.4699,

0.3527


 198.5051, 0.4593,
0.3524

 18.2399, 0.6124,
0.3331

 18.2399, 0.6124,
0.3331


 17.1763, 0.6340,
0.3315


 20.2292, 0.5759,
0.3342


 16.9988, 0.6382,
0.3315


 23.2897, 0.5304,
0.3346


 27.5448, 0.4831,
0.3344


 33.1001, 0.4394,
0.3336

 40.0498, 0.4016,
0.3327

 48.4792, 0.3703,
0.3316

 58.4669, 0.3449,
0.3306

 70.0859, 0.3245,
0.3296

 83.4046, 0.3081,
0.3287

Harmonies

Analogous

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



18.2399, 0.5411, 0.2552



18.2399, 0.6124, 0.3331



18.2399, 0.5668, 0.4252

Triad

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



18.2399, 0.6124, 0.3331



18.2399, 0.2014, 0.5803



18.2399, 0.1322, 0.1239

Complementary

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



18.2399, 0.6124, 0.3331



58.8147, 0.2240, 0.3195

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.



18.2399, 0.0911, 0.1404



18.2399, 0.6124, 0.3331



18.2399, 0.1148, 0.3625

Square

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



18.2399, 0.6124, 0.3331



18.2399, 0.3244, 0.6360



18.2399, 0.0839, 0.2060



18.2399, 0.2217, 0.1393

Rectangle

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



18.2399, 0.6124, 0.3331



18.2399, 0.4982, 0.5018



18.2399, 0.0839, 0.2060



18.2399, 0.1141, 0.1255

Sweetspot

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



18.2410, 0.6124, 0.3331



62.1812, 0.3680, 0.3316



23.1033, 0.3281, 0.1631



12.4568, 0.3781, 0.3319



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.



18.2410, 0.6124, 0.3331



21.4517, 0.6384, 0.3313



34.7248, 0.5080, 0.4223



14.4475, 0.3292, 0.3299



9.6585, 0.6375, 0.3320



0.7422, 0.6302, 0.3378

Inverse Universe

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



58.8147, 0.2240, 0.3195



73.2334, 0.2217, 0.3179



20.2472, 0.1832, 0.1690



16.2462, 0.2982, 0.3281



32.8604, 0.2217, 0.3182



2.4552, 0.2222, 0.3198

Previews

White Background



This preview shows how the Yxy color 18.2399, 0.6124, 0.3331 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 18.2399, 0.6124, 0.3331 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 18.2399, 0.6124, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 18.2399, 0.6124, 0.3331.



This preview shows how white text looks on a background with the Yxy color 18.2399, 0.6124, 0.3331.

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

18.2399, 0.6124, 0.3331

Protanopia

18.4019, 0.4124, 0.4511

Deuteranopia

18.3896, 0.4711, 0.4641



Tritanopia

18.2002, 0.6099, 0.3308

Trichromacy



Original Color

18.2399, 0.6124, 0.3331

Protanomaly

15.6368, 0.5044, 0.3917

Deuteranomaly

16.2245, 0.5446, 0.3992

Tritanomaly

18.1946, 0.6107, 0.3313

Monochromacy



Original Color

18.2399, 0.6124, 0.3331

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0597, 0.4469, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2399, 0.6124, 0.3331 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(230, 37, 30)` looks like.

```
.text, #text, p{  
  color:rgb(230, 37, 30)  
}
```

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(230, 37, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 37, 30) }
```

Border

The CSS property to change the border of an element to Yxy 18.2399, 0.6124, 0.3331 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(230, 37, 30) }
```

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

```
.border{ border-color:rgb(230, 37, 30) }
```

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

Here you see how a box with a 4 pixel rgb(230, 37, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 37, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 37, 30);  
box-shadow:4px 4px 4px 4px rgb(230, 37,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2399, 0.6124, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 37, 30) }
```

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

```
.background{ background-color: rgb(230, 37,  
30) }
```

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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