

Converting Colors

$Y_{xy}(18.2891, 0.6242, 0.3299)$

Have a look what the booklet for
Yxy(18.2891, 0.6242, 0.3299)
contains.

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Color

Yxy(18.3409, 0.6242, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	EB1718
RGB	235, 23, 24
RGB Percent	92%, 9%, 9%
CMY	0.0784, 0.9098, 0.9061
CMYK	0.00, 0.90, 0.90, 0.08
HSL	360°, 84%, 51%
HSV	360°, 90%, 92%
XYZ	34.7342, 18.3409, 2.5708
YIQ	86.5020, 126.0310, 45.2550

Conversions

Conversions Part 2

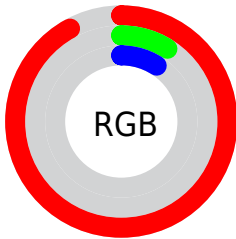
Format	Color
R_{YB}	235, 23, 24
Decimal	15406872
CIE _{Lab}	49.91, 73.39, 56.26
CIE _{LCh}	50, 92.471, 37.471
Yxy	18.3409, 0.6242, 0.3296
Android (android.graphics.Color)	4293596952 (0xFFEB1718)
YUV	86.5020, -30.8135, 130.2327
Hunter-Lab	42.8263, 69.8262, 26.4192

Details

The Yxy color **18.3409, 0.6242, 0.3296** 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 **65.5476, 0.2262, 0.3300**, and the grayscale version is **9.4641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4764, 0.5380, 0.3503**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.6660, 0.6397, 0.3298**, and if you desaturate by 10%, it is **19.8648, 0.5932, 0.3293**.

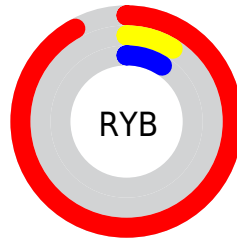
Distribution



Red (92%)

Green (9%)

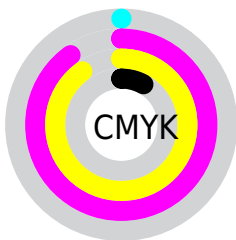
Blue (9%)



Red (92%)

Yellow (9%)

Blue (9%)

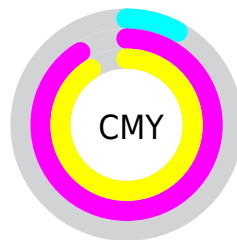


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (8%)



Cyan (8%)


Magenta (91%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3409, 0.6242, 0.3296 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 18.3409, 0.6242, 0.3296 by changing the saturation by 10% instead.


 18.3409, 0.6242,
0.3296


 18.3409, 0.6242,
0.3296


242.7856, 0.4575,
0.3527


 11.1950, 0.6618,
0.3136


 40.6174, 0.5648,
0.3455


 6.1982, 0.7100,
0.2900

 56.5167, 0.5417,
0.3491

 2.9659, 0.7528,
0.2472

 76.1027, 0.5221,
0.3512

 1.1140, 0.8122,
0.1878

 99.7597, 0.5053,
0.3524


 0.0000, 1.0000,
0.0000


 127.8721, 0.4908,
0.3529


 0.0000, 0.0000,
0.0000

 160.8242, 0.4782,


0.3531

 199.0006, 0.4672,
0.3530

 18.3409, 0.6242,
0.3296


 18.3409, 0.6242,
0.3296

 17.6660, 0.6397,
0.3298

 19.8648, 0.5932,
0.3293

 22.4953, 0.5498,
0.3291

 26.3908, 0.5016,
0.3289

 31.6831, 0.4553,
0.3288

 38.4873, 0.4145,
0.3288

■ 46.9071, 0.3805,
0.3288

■ 57.0365, 0.3528,
0.3289

■ 68.9625, 0.3307,
0.3289

■ 82.7664, 0.3131,
0.3290

Harmonies

Analogous

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



18.3409, 0.5529, 0.2514



18.3409, 0.6242, 0.3296



18.3409, 0.5743, 0.4247

Triad

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



18.3409, 0.6242, 0.3296



18.3409, 0.1935, 0.5952



18.3409, 0.1266, 0.1177

Complementary

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



18.3409, 0.6242, 0.3296



65.5476, 0.2262, 0.3300

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.



18.3409, 0.0851, 0.1335



18.3409, 0.6242, 0.3296



18.3409, 0.1067, 0.3613

Square

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



18.3409, 0.6242, 0.3296



18.3409, 0.3187, 0.6500



18.3409, 0.0771, 0.1989



18.3409, 0.2182, 0.1335

Rectangle

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



18.3409, 0.6242, 0.3296



18.3409, 0.4980, 0.5020



18.3409, 0.0771, 0.1989



18.3409, 0.1084, 0.1191

Sweetspot

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



18.3421, 0.6242, 0.3296



60.0058, 0.3712, 0.3289



23.6795, 0.3170, 0.1551



12.0046, 0.3815, 0.3288



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.



18.3421, 0.6242, 0.3296



21.2625, 0.6398, 0.3298



32.5118, 0.5279, 0.4105



15.0552, 0.3292, 0.3289



9.8316, 0.6396, 0.3297



0.7724, 0.6382, 0.3290

Inverse Universe

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



18.3421, 0.6242, 0.3296



21.2625, 0.6398, 0.3298



22.8291, 0.1846, 0.1780



15.0552, 0.3292, 0.3289



9.8316, 0.6396, 0.3297



0.7724, 0.6382, 0.3290

Previews

White Background



This preview shows how the Yxy color 18.3409, 0.6242, 0.3296 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 18.3409, 0.6242, 0.3296 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 18.3409, 0.6242, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 18.3409, 0.6242, 0.3296.



This preview shows how white text looks on a background with the Yxy color 18.3409, 0.6242, 0.3296.

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

18.3409, 0.6242, 0.3296

Protanopia

18.6831, 0.4169, 0.4582

Deuteranopia

18.6139, 0.4695, 0.4654



Tritanopia

18.3499, 0.6283, 0.3325

Trichromacy



Original Color

18.3409, 0.6242, 0.3296

Protanomaly

15.2885, 0.5186, 0.3891

Deuteranomaly

15.8497, 0.5533, 0.3935

Tritanomaly

18.3591, 0.6269, 0.3317

Monochromacy



Original Color

18.3409, 0.6242, 0.3296

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.4893, 0.4684, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3409, 0.6242, 0.3296 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, 23, 24)` looks like.

```
.text, #text, p{  
  color:rgb(235, 23, 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(235, 23, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 23, 24) }
```

Border

The CSS property to change the border of an element to Yxy 18.3409, 0.6242, 0.3296 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, 23, 24) }
```

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

```
.border{ border-color:rgb(235, 23, 24) }
```

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

Here you see how a box with a 4 pixel rgb(235, 23, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 23, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 23, 24);  
box-shadow:4px 4px 4px 4px rgb(235, 23,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3409, 0.6242, 0.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 23, 24) }
```

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

```
.background{ background-color: rgb(235, 23,  
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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