

Converting Colors

$Y_{xy}(23.7718, 0.5332, 0.3300)$

Have a look what the booklet for
Yxy(23.7718, 0.5332, 0.3300)
contains.

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Color

Yxy(23.8042, 0.5337, 0.3306)

Conversions

Conversions Part 1

Format	Color
Hex	EB4F4E
RGB	235, 79, 78
RGB Percent	92%, 31%, 31%
CMY	0.0785, 0.6901, 0.6942
CMYK	0.00, 0.66, 0.67, 0.08
HSL	0°, 80%, 61%
HSV	0°, 67%, 92%
XYZ	38.4280, 23.8042, 9.7708
YIQ	125.5300, 93.2970, 32.7610

Conversions

Conversions Part 2

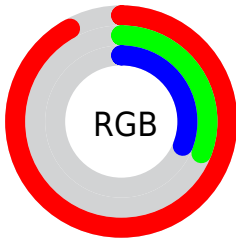
Format	Color
R_{YB}	235, 79, 78
Decimal	15421262
CIE _{Lab}	55.89, 59.84, 34.41
CIE _{LCh}	56, 69.032, 29.898
Yxy	23.8042, 0.5337, 0.3306
Android (android.graphics.Color)	4293611342 (0xFFEB4F4E)
YUV	125.5300, -23.4323, 96.0052
Hunter-Lab	48.7895, 55.2099, 22.2790

Details

The Yxy color **23.8042, 0.5337, 0.3306** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **66.4191, 0.2343, 0.3274**, and the grayscale version is **20.7563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4006, 0.4515, 0.3386**, and **8.9456, 0.6073, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **20.7289, 0.5795, 0.3306**, and if you desaturate by 10%, it is **28.1840, 0.4856, 0.3305**.

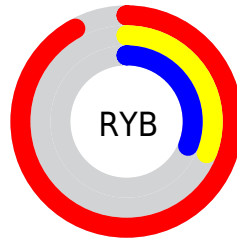
Distribution



Red (92%)

Green (31%)

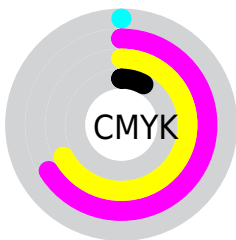
Blue (31%)



Red (92%)

Yellow (31%)

Blue (31%)

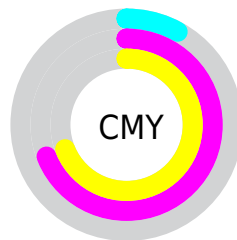


Cyan (0%)

Magenta (66%)

Yellow (67%)

Black (8%)



Cyan (8%)


Magenta (69%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8042, 0.5337, 0.3306 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 23.8042, 0.5337, 0.3306 by changing the saturation by 10% instead.


 23.8042, 0.5337,
0.3306

 23.8042, 0.5337,
0.3306


271.8291, 0.4124,
0.3389


 15.1884, 0.5658,
0.3244


 49.7105, 0.4878,
0.3365

 8.9517, 0.6069,
0.3135


 67.7698, 0.4710,
0.3378


 4.7097, 0.6607,
0.2945

 89.7458, 0.4570,
0.3385

 2.0780, 0.7376,
0.2624

 116.0228, 0.4452,
0.3389

 0.6522, 0.8104,
0.1896

 146.9852, 0.4352,
0.3391

 0.0000, 1.0000,
0.0000

183.0175, 0.4265,

 0.0000, 0.0000,

0.3391

0.0000

224.5040, 0.4190,
0.3391

■ 23.8042, 0.5337,
0.3306

■ 23.8042, 0.5337,
0.3306

■ 20.7289, 0.5795,
0.3306

■ 28.1840, 0.4856,
0.3305

■ 18.8106, 0.6154,
0.3305

■ 33.9869, 0.4409,
0.3302


■ 17.8718, 0.6356,
0.3302


■ 41.3229, 0.4024,
0.3299


■ 17.6944, 0.6397,
0.3303

■ 50.2900, 0.3705,
0.3297

■ 60.9782, 0.3448,
0.3294

 73.4708, 0.3243,
0.3292

 87.8456, 0.3079,
0.3289

 96.3999, 0.3005,
0.3290

Harmonies

Analogous

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



23.8042, 0.4537, 0.2611



23.8042, 0.5337, 0.3306



23.8042, 0.5314, 0.4069

Triad

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



23.8042, 0.5337, 0.3306



23.8042, 0.2621, 0.5242



23.8042, 0.1567, 0.1651

Complementary

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



23.8042, 0.5337, 0.3306



66.4191, 0.2343, 0.3274

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.



23.8042, 0.1279, 0.1920



23.8042, 0.5337, 0.3306



23.8042, 0.1763, 0.3950

Square

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



23.8042, 0.5337, 0.3306



23.8042, 0.3672, 0.5500



23.8042, 0.1324, 0.2653



23.8042, 0.2227, 0.1708

Rectangle

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



23.8042, 0.5337, 0.3306



23.8042, 0.4921, 0.4615



23.8042, 0.1324, 0.2653



23.8042, 0.1433, 0.1699

Sweetspot

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



23.8056, 0.5337, 0.3306



68.9693, 0.3526, 0.3295



29.1015, 0.3198, 0.1790



13.9808, 0.3598, 0.3295



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.



23.8056, 0.5337, 0.3306



23.9889, 0.5937, 0.3306



42.1469, 0.4640, 0.4109



15.0703, 0.3293, 0.3292



9.8564, 0.6396, 0.3304



0.7797, 0.6382, 0.3315

Inverse Universe

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



66.4191, 0.2343, 0.3274



78.5676, 0.2279, 0.3271



31.5531, 0.2080, 0.2180



17.1034, 0.2981, 0.3288



35.9109, 0.2241, 0.3267



2.8255, 0.2242, 0.3270

Previews

White Background



This preview shows how the Yxy color 23.8042, 0.5337, 0.3306 looks on a white 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

Black Background



This preview shows how the Yxy color 23.8042, 0.5337, 0.3306 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 23.8042, 0.5337, 0.3306

Background



This preview shows how black text looks on a background with the Yxy color 23.8042, 0.5337, 0.3306.



This preview shows how white text looks on a background with the Yxy color 23.8042, 0.5337, 0.3306.

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

23.8042, 0.5337, 0.3306

Protanopia

23.8803, 0.3629, 0.3889

Deuteranopia

23.8799, 0.4245, 0.4164



Tritanopia

23.7355, 0.5279, 0.3251

Trichromacy



Original Color

23.8042, 0.5337, 0.3306

Protanomaly

22.1371, 0.4270, 0.3631

Deuteranomaly

22.5800, 0.4686, 0.3777

Tritanomaly

23.7050, 0.5306, 0.3269

Monochromacy



Original Color

23.8042, 0.5337, 0.3306

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.1484, 0.3914, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8042, 0.5337, 0.3306 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, 79, 78)` looks like.

```
.text, #text, p{  
  color:rgb(235, 79, 78)  
}
```

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, 79, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 79, 78) }
```

Border

The CSS property to change the border of an element to Yxy 23.8042, 0.5337, 0.3306 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, 79, 78) }
```

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

```
.border{ border-color:rgb(235, 79, 78) }
```

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

Here you see how a box with a 4 pixel rgb(235, 79, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 79, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 79, 78);  
box-shadow:4px 4px 4px 4px rgb(235, 79,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8042, 0.5337, 0.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 79, 78) }
```

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

```
.background{ background-color: rgb(235, 79,  
78) }
```

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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