

Converting Colors

$Yxy(23.7994, 0.5128, 0.3136)$

Have a look what the booklet for
Yxy(23.7994, 0.5128, 0.3136)
contains.

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Color

Yxy(23.7781, 0.5134, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	EB4D5E
RGB	235, 77, 94
RGB Percent	92%, 30%, 37%
CMY	0.0784, 0.6981, 0.6313
CMYK	0.00, 0.67, 0.60, 0.08
HSL	354°, 80%, 61%
HSV	354°, 67%, 92%
XYZ	38.9400, 23.7781, 13.1292
YIQ	126.1800, 88.7110, 38.7830

Conversions

Conversions Part 2

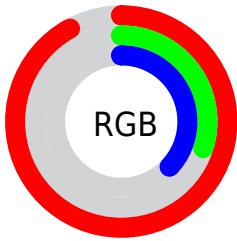
Format	Color
RYB	235, 77, 94
Decimal	15420766
CIELab	55.86, 61.59, 25.10
CIELCh	56, 66.509, 22.170
Yxy	23.7781, 0.5134, 0.3135
Android (android.graphics.Color)	4293610846 (0xFFEB4D5E)
YUV	126.1800, -15.8647, 95.4351
Hunter-Lab	48.7628, 57.2079, 18.1704

Details

The Yxy color **23.7781, 0.5134, 0.3135** 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 **66.0656, 0.2414, 0.3511**, and the grayscale version is **20.9600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3238, 0.4335, 0.3190**, and **9.0976, 0.5829, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **20.7374, 0.5581, 0.3148**, and if you desaturate by 10%, it is **28.1109, 0.4689, 0.3141**.

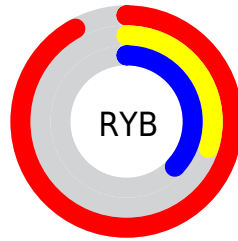
Distribution



Red (92%)

Green (30%)

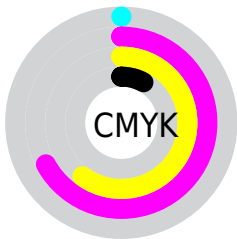
Blue (37%)



Red (92%)

Yellow (30%)

Blue (37%)

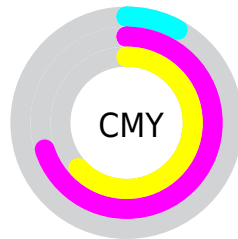


Cyan (0%)

Magenta (67%)

Yellow (60%)

Black (8%)



Cyan (8%)


Magenta (70%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7781, 0.5134, 0.3135 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 23.7781, 0.5134, 0.3135 by changing the saturation by 10% instead.


 23.7781, 0.5134,
0.3135


 23.7781, 0.5134,
0.3135


271.6967, 0.4022,
0.3283


 15.1691, 0.5439,
0.3068


 49.6678, 0.4707,
0.3210

 8.9381, 0.5839,
0.2961


 67.7174, 0.4553,
0.3231

 4.7009, 0.6379,
0.2781

 89.6826, 0.4426,
0.3247

 2.0728, 0.7286,
0.2522

 115.9477, 0.4319,
0.3258

 0.6493, 0.8159,
0.1841

 146.8974, 0.4228,
0.3267

 0.0000, 1.0000,
0.0000

182.9158, 0.4150,

 0.0000, 0.0000,

0.3274

0.0000

224.3874, 0.4082,
0.3279

■ 23.7781, 0.5134,
0.3135

■ 23.7781, 0.5134,
0.3135

■ 20.7374, 0.5581,
0.3148

■ 28.1109, 0.4689,
0.3141

■ 18.8414, 0.5969,
0.3181

■ 33.8543, 0.4285,
0.3159

■ 17.9053, 0.6240,
0.3230


■ 41.1177, 0.3940,
0.3185


■ 17.7367, 0.6294,
0.3241

■ 49.9988, 0.3655,
0.3214

■ 60.5870, 0.3424,
0.3243

 72.9652, 0.3238,
0.3271

 87.2109, 0.3089,
0.3297

 96.4051, 0.3005,
0.3290

Harmonies

Analogous

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



23.7781, 0.4195, 0.2475



23.7781, 0.5134, 0.3135



23.7781, 0.5328, 0.3867

Triad

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



23.7781, 0.5134, 0.3135



23.7781, 0.2906, 0.5339



23.7781, 0.1504, 0.1729

Complementary

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



23.7781, 0.5134, 0.3135



66.0656, 0.2414, 0.3511

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.



23.7781, 0.1306, 0.2098



23.7781, 0.5134, 0.3135



23.7781, 0.1990, 0.4290

Square

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



23.7781, 0.5134, 0.3135



23.7781, 0.3932, 0.5330



23.7781, 0.1445, 0.2957



23.7781, 0.2051, 0.1708

Rectangle

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



23.7781, 0.5134, 0.3135



23.7781, 0.5051, 0.4390



23.7781, 0.1445, 0.2957



23.7781, 0.1401, 0.1808

Sweetspot

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



23.7795, 0.5134, 0.3135



69.0737, 0.3484, 0.3235



25.9927, 0.3009, 0.1695



14.0053, 0.3548, 0.3227



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.



23.7795, 0.5134, 0.3135



23.8620, 0.5752, 0.3159



36.2533, 0.4823, 0.3917



15.0804, 0.3276, 0.3265



9.8786, 0.6271, 0.3228



0.7845, 0.5996, 0.3077

Inverse Universe

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



23.7795, 0.5134, 0.3135



23.8620, 0.5752, 0.3159



38.0185, 0.2140, 0.2445



15.0804, 0.3276, 0.3265



9.8786, 0.6271, 0.3228



0.7845, 0.5996, 0.3077

Previews

White Background



This preview shows how the Yxy color 23.7781, 0.5134, 0.3135 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 23.7781, 0.5134, 0.3135 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 23.7781, 0.5134, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 23.7781, 0.5134, 0.3135.



This preview shows how white text looks on a background with the Yxy color 23.7781, 0.5134, 0.3135.

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

23.7781, 0.5134, 0.3135

Protanopia

23.9576, 0.3358, 0.3549

Deuteranopia

23.7916, 0.4036, 0.3952



Tritanopia

23.7089, 0.5264, 0.3259

Trichromacy



Original Color

23.7781, 0.5134, 0.3135

Protanomaly

22.0500, 0.3996, 0.3338

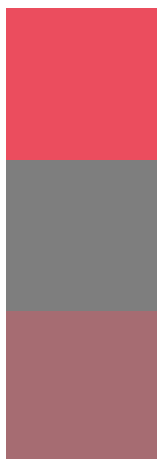
Deuteranomaly

22.4774, 0.4483, 0.3566

Tritanomaly

23.6293, 0.5217, 0.3212

Monochromacy



Original Color

23.7781, 0.5134, 0.3135

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.0470, 0.3848, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7781, 0.5134, 0.3135 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, 77, 94)` looks like.

```
.text, #text, p{  
    color:rgb(235, 77, 94)  
}
```

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, 77, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 77, 94) }
```

Border

The CSS property to change the border of an element to Yxy 23.7781, 0.5134, 0.3135 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, 77, 94) }
```

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

```
.border{ border-color:rgb(235, 77, 94) }
```

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

Here you see how a box with a 4 pixel rgb(235, 77, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 77, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 77, 94);  
box-shadow:4px 4px 4px 4px rgb(235, 77,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7781, 0.5134, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 77, 94) }
```

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

```
.background{ background-color: rgb(235, 77,  
94) }
```

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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