

Converting Colors

$Y_{xy}(23.8310, 0.4972, 0.3192)$

Have a look what the booklet for
Yxy(23.8310, 0.4972, 0.3192)
contains.

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Color

Yxy(23.8310, 0.4972, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	E35660
RGB	227, 86, 96
RGB Percent	89%, 34%, 38%
CMY	0.1098, 0.6628, 0.6236
CMYK	0.00, 0.62, 0.58, 0.11
HSL	356°, 72%, 61%
HSV	356°, 62%, 89%
XYZ	37.1202, 23.8310, 13.7073
YIQ	129.2990, 80.8260, 33.0020

Conversions

Conversions Part 2

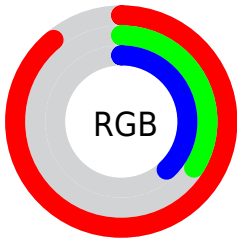
Format	Color
R_YB	227, 86, 96
Decimal	14898784
CIE Lab	55.92, 55.49, 23.76
CIE LCh	56, 60.359, 23.182
Yxy	23.8310, 0.4972, 0.3192
Android (android.graphics.Color)	4293088864 (0xFFE35660)
YUV	129.2990, -16.4164, 85.6838
Hunter-Lab	48.8170, 50.3008, 17.5239

Details

The Yxy color **23.8310, 0.4972, 0.3192** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **61.9338, 0.2421, 0.3420**, and the grayscale version is **22.1006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3851, 0.4279, 0.3241**, and **8.9905, 0.5638, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **20.4273, 0.5435, 0.3196**, and if you desaturate by 10%, it is **28.4922, 0.4529, 0.3199**.

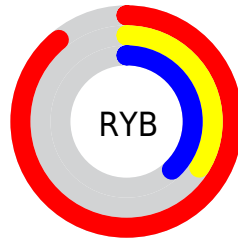
Distribution



Red (89%)

Green (34%)

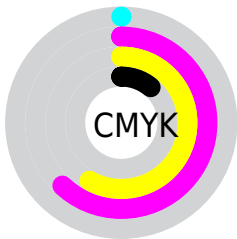
Blue (38%)



Red (89%)

Yellow (34%)

Blue (38%)

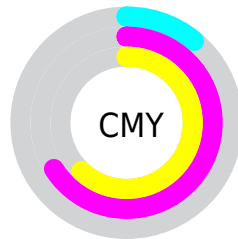


Cyan (0%)

Magenta (62%)

Yellow (58%)

Black (11%)



Cyan (11%)


Magenta (66%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8310, 0.4972, 0.3192 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 23.8310, 0.4972, 0.3192 by changing the saturation by 10% instead.


 23.8310, 0.4972,
0.3192


 23.8310, 0.4972,
0.3192


271.9650, 0.3947,
0.3301


 15.2083, 0.5256,
0.3138


 49.7543, 0.4577,
0.3250


 8.9657, 0.5634,
0.3050


 67.8236, 0.4435,
0.3266

 4.7188, 0.6149,
0.2897

 89.8107, 0.4318,
0.3277

 2.0832, 0.7004,
0.2666

 116.0998, 0.4219,
0.3285

 0.6552, 0.7965,
0.2035

147.0754, 0.4136,
0.3291

 0.0000, 1.0000,
0.0000

183.1219, 0.4064,

 0.0000, 0.0000,

0.3295

0.0000

224.6236, 0.4001,
0.3298

■ 23.8310, 0.4972,
0.3192

■ 23.8310, 0.4972,
0.3192

■ 20.4273, 0.5435,
0.3196

■ 28.4922, 0.4529,
0.3199

■ 18.1554, 0.5862,
0.3213

■ 34.5131, 0.4139,
0.3214

■ 16.8702, 0.6184,
0.3243

■ 41.9898, 0.3812,
0.3231

■ 16.3705, 0.6339,
0.3266

■ 51.0089, 0.3545,
0.3250

■ 61.6500, 0.3331,
0.3269

73.9872, 0.3159,
0.3286

88.0902, 0.3021,
0.3303

95.0728, 0.2958,
0.3290

Harmonies

Analogous

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



23.8310, 0.4137, 0.2562



23.8310, 0.4972, 0.3192



23.8310, 0.5148, 0.3889

Triad

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



23.8310, 0.4972, 0.3192



23.8310, 0.2919, 0.5106



23.8310, 0.1629, 0.1838

Complementary

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



23.8310, 0.4972, 0.3192



61.9338, 0.2421, 0.3420

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.



23.8310, 0.1431, 0.2185



23.8310, 0.4972, 0.3192



23.8310, 0.2070, 0.4150

Square

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



23.8310, 0.4972, 0.3192



23.8310, 0.3873, 0.5176



23.8310, 0.1562, 0.2969



23.8310, 0.2161, 0.1822

Rectangle

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



23.8310, 0.4972, 0.3192



23.8310, 0.4900, 0.4374



23.8310, 0.1562, 0.2969



23.8310, 0.1527, 0.1912

Sweetspot

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



23.8323, 0.4972, 0.3192



70.3202, 0.3476, 0.3256



26.6884, 0.3072, 0.1810



14.2437, 0.3543, 0.3251



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.



23.8323, 0.4972, 0.3192



25.4388, 0.5586, 0.3200



37.1802, 0.4607, 0.3942



14.3845, 0.3281, 0.3274



9.5524, 0.6322, 0.3257



0.7117, 0.6115, 0.3142

Inverse Universe

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



23.8323, 0.4972, 0.3192



25.4388, 0.5586, 0.3200



35.6248, 0.2186, 0.2452



14.3845, 0.3281, 0.3274



9.5524, 0.6322, 0.3257



0.7117, 0.6115, 0.3142

Previews

White Background



This preview shows how the Yxy color 23.8310, 0.4972, 0.3192 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 23.8310, 0.4972, 0.3192 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 23.8310, 0.4972, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 23.8310, 0.4972, 0.3192.



This preview shows how white text looks on a background with the Yxy color 23.8310, 0.4972, 0.3192.

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

23.8310, 0.4972, 0.3192

Protanopia

24.0209, 0.3381, 0.3565

Deuteranopia

23.9988, 0.3982, 0.3925



Tritanopia

23.9200, 0.5021, 0.3244

Trichromacy



Original Color

23.8310, 0.4972, 0.3192

Protanomaly

22.6190, 0.3936, 0.3399

Deuteranomaly

22.8972, 0.4363, 0.3588

Tritanomaly

23.9376, 0.5007, 0.3234

Monochromacy



Original Color

23.8310, 0.4972, 0.3192

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.0939, 0.3771, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8310, 0.4972, 0.3192 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(227, 86, 96)` looks like.

```
.text, #text, p{  
    color:rgb(227, 86, 96)  
}
```

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(227, 86, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 86, 96) }
```

Border

The CSS property to change the border of an element to Yxy 23.8310, 0.4972, 0.3192 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(227, 86, 96) }
```

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

```
.border{ border-color:rgb(227, 86, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 86, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 86, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 86, 96);  
box-shadow:4px 4px 4px 4px rgb(227, 86,  
96) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.8310, 0.4972, 0.3192$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 86, 96) }
```

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

```
.background{ background-color: rgb(227, 86,  
96) }
```

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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