

Converting Colors

$Y_{xy}(23.8735, 0.5039, 0.3383)$

Have a look what the booklet for
Yxy(23.8735, 0.5039, 0.3383)
contains.

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Color

Yxy(23.8240, 0.5044, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	DE5C54
RGB	222, 92, 84
RGB Percent	87%, 36%, 33%
CMY	0.1294, 0.6392, 0.6707
CMYK	0.00, 0.59, 0.62, 0.13
HSL	3°, 68%, 60%
HSV	3°, 62%, 87%
XYZ	35.5527, 23.8240, 11.1085
YIQ	129.9580, 80.0480, 25.0720

Conversions

Conversions Part 2

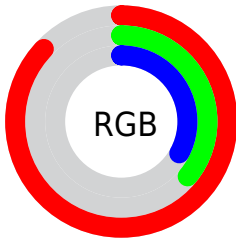
Format	Color
RYB	222, 92, 84
Decimal	14572628
CIELab	55.91, 50.30, 30.53
CIElCh	56, 58.839, 31.259
Yxy	23.8240, 0.5044, 0.3380
Android (android.graphics.Color)	4292762708 (0xFFDE5C54)
YUV	129.9580, -22.6573, 80.7208
Hunter-Lab	48.8098, 44.6009, 20.6733

Details

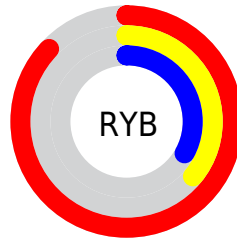
The Yxy color **23.8240, 0.5044, 0.3380** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **55.2449, 0.2353, 0.3180**, and the grayscale version is **22.3682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5390, 0.4382, 0.3418**, and **8.9853, 0.5706, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **20.3943, 0.5509, 0.3379**, and if you desaturate by 10%, it is **28.3661, 0.4592, 0.3372**.

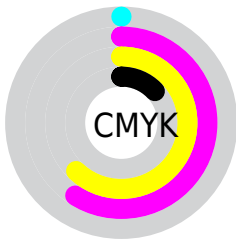
Distribution



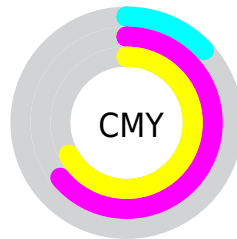
- Red (87%)
- Green (36%)
- Blue (33%)



- Red (87%)
- Yellow (36%)
- Blue (33%)



- Cyan (0%)
- Magenta (59%)
- Yellow (62%)
- Black (13%)





- Cyan (13%)
- Magenta (64%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8240, 0.5044, 0.3380 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 23.8240, 0.5044, 0.3380 by changing the saturation by 10% instead.


 23.8240, 0.5044,
0.3380


 23.8240, 0.5044,
0.3380


271.9295, 0.3983,
0.3401

 15.2031, 0.5333,
0.3342


 49.7428, 0.4638,
0.3409

 8.9621, 0.5711,
0.3270


 67.8096, 0.4491,
0.3413


 4.7164, 0.6215,
0.3129

 89.7937, 0.4369,
0.3414

 2.0819, 0.7077,
0.2923

 116.0797, 0.4267,
0.3413

 0.6544, 0.7789,
0.2211

 147.0519, 0.4180,
0.3410

 0.0000, 1.0000,
0.0000

183.0946, 0.4105,

 0.0000, 0.0000,

0.3407

0.0000

224.5924, 0.4040,
0.3404

■ 23.8240, 0.5044,
0.3380

■ 23.8240, 0.5044,
0.3380

■ 20.3943, 0.5509,
0.3379

■ 28.3661, 0.4592,
0.3372

■ 17.9778, 0.5927,
0.3367

■ 34.1010, 0.4190,
0.3358


■ 16.4644, 0.6229,
0.3343


■ 41.1062, 0.3850,
0.3342


■ 15.8160, 0.6367,
0.3327

■ 49.4515, 0.3571,
0.3325

■ 59.2016, 0.3344,
0.3309

 70.4171, 0.3162,
0.3293

 83.1550, 0.3015,
0.3279

 94.2707, 0.2929,
0.3289

Harmonies

Analogous

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



23.8240, 0.4379, 0.2735



23.8240, 0.5044, 0.3380



23.8240, 0.5038, 0.4078

Triad

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



23.8240, 0.5044, 0.3380



23.8240, 0.2684, 0.4875



23.8240, 0.1765, 0.1834

Complementary

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



23.8240, 0.5044, 0.3380



55.2449, 0.2353, 0.3180

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.



23.8240, 0.1484, 0.2081



23.8240, 0.5044, 0.3380



23.8240, 0.1923, 0.3804

Square

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



23.8240, 0.5044, 0.3380



23.8240, 0.3618, 0.5195



23.8240, 0.1524, 0.2728



23.8240, 0.2384, 0.1892

Rectangle

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



23.8240, 0.5044, 0.3380



23.8240, 0.4709, 0.4549



23.8240, 0.1524, 0.2728



23.8240, 0.1636, 0.1879

Sweetspot

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



23.8253, 0.5044, 0.3380



71.5234, 0.3497, 0.3320



26.7804, 0.3267, 0.1920



14.5268, 0.3567, 0.3325



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.



23.8253, 0.5044, 0.3380



26.6409, 0.5660, 0.3376



41.2761, 0.4447, 0.4145



13.8276, 0.3291, 0.3304



9.4462, 0.6356, 0.3335



0.7005, 0.6231, 0.3435

Inverse Universe

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



55.2449, 0.2353, 0.3180



72.9352, 0.2268, 0.3153



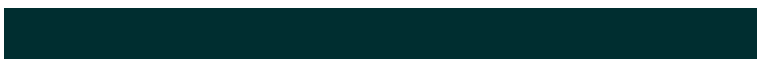
27.7450, 0.2121, 0.2169



15.4287, 0.2982, 0.3276



30.3056, 0.2197, 0.3109



2.1427, 0.2205, 0.3138

Previews

White Background



This preview shows how the Yxy color 23.8240, 0.5044, 0.3380 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 23.8240, 0.5044, 0.3380 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 23.8240, 0.5044, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 23.8240, 0.5044, 0.3380.



This preview shows how white text looks on a background with the Yxy color 23.8240, 0.5044, 0.3380.

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

23.8240, 0.5044, 0.3380

Protanopia

23.9191, 0.3606, 0.3855

Deuteranopia

23.8809, 0.4149, 0.4060



Tritanopia

23.8448, 0.4905, 0.3231

Trichromacy



Original Color

23.8240, 0.5044, 0.3380

Protanomaly

22.7905, 0.4119, 0.3656

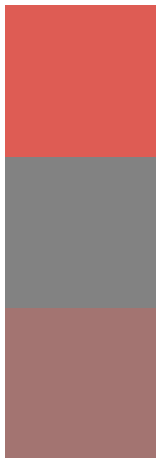
Deuteranomaly

23.1549, 0.4497, 0.3774

Tritanomaly

23.9429, 0.4953, 0.3285

Monochromacy



Original Color

23.8240, 0.5044, 0.3380

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.4696, 0.3785, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8240, 0.5044, 0.3380 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(222, 92, 84)` looks like.

```
.text, #text, p{  
  color:rgb(222, 92, 84)  
}
```

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(222, 92, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 92, 84) }
```

Border

The CSS property to change the border of an element to Yxy 23.8240, 0.5044, 0.3380 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(222, 92, 84) }
```

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

```
.border{ border-color:rgb(222, 92, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 92, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 92, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 92, 84);  
box-shadow:4px 4px 4px 4px rgb(222, 92,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8240, 0.5044, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 92, 84) }
```

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

```
.background{ background-color: rgb(222, 92,  
84) }
```

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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