

Converting Colors

$Yxy(19.7648, 0.5391, 0.3179)$

Have a look what the booklet for
Yxy(19.7648, 0.5391, 0.3179)
contains.

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Color

Yxy(19.7648, 0.5391, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	DF3F4C
RGB	223, 63, 76
RGB Percent	87%, 25%, 30%
CMY	0.1254, 0.7530, 0.7019
CMYK	0.00, 0.72, 0.66, 0.13
HSL	355°, 71%, 56%
HSV	355°, 72%, 87%
XYZ	33.5175, 19.7648, 8.8907
YIQ	112.3220, 91.1870, 37.9630

Conversions

Conversions Part 2

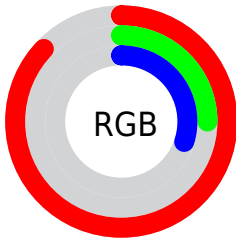
Format	Color
R_{YB}	223, 63, 76
Decimal	14630732
CIE Lab	51.57, 62.00, 29.73
CIE LCh	52, 68.759, 25.622
Yxy	19.7648, 0.5391, 0.3179
Android (android.graphics.Color)	4292820812 (0xFFDF3F4C)
YUV	112.3220, -17.9067, 97.0646
Hunter-Lab	44.4576, 56.7738, 19.2634

Details

The Yxy color **19.7648, 0.5391, 0.3179** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **58.4909, 0.2375, 0.3467**, and the grayscale version is **16.3358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4154, 0.4627, 0.3254**, and **7.5779, 0.6052, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **17.5355, 0.5821, 0.3197**, and if you desaturate by 10%, it is **23.0867, 0.4931, 0.3176**.

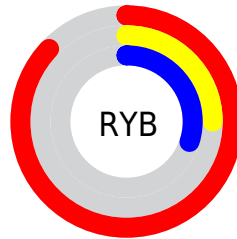
Distribution



Red (87%)

Green (25%)

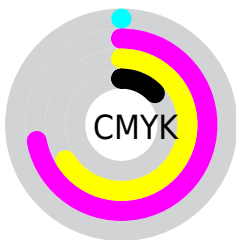
Blue (30%)



Red (87%)

Yellow (25%)

Blue (30%)

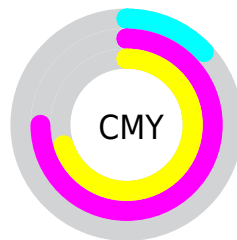


Cyan (0%)

Magenta (72%)

Yellow (66%)

Black (13%)



Cyan (13%)


Magenta (75%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7648, 0.5391, 0.3179 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 19.7648, 0.5391, 0.3179 by changing the saturation by 10% instead.


 19.7648, 0.5391,
0.3179


 19.7648, 0.5391,
0.3179


250.6390, 0.4112,
0.3329


 12.2242, 0.5745,
0.3096


 43.0225, 0.4896,
0.3264


 6.8966, 0.6209,
0.2957

 59.5084, 0.4718,
0.3286

 3.3975, 0.6854,
0.2727

 79.7448, 0.4572,
0.3301

 1.3426, 0.7701,
0.2299

 104.1162, 0.4449,
0.3311

 0.1738, 0.9195,
0.0805

 133.0069, 0.4345,
0.3318

 0.0000, 1.0000,
0.0000

166.8013, 0.4256,

 0.0000, 0.0000,

0.3323

0.0000

205.8839, 0.4179,
0.3326

■ 19.7648, 0.5391,
0.3179

■ 19.7648, 0.5391,
0.3179

■ 17.5355, 0.5821,
0.3197

■ 23.0867, 0.4931,
0.3176

■ 16.2571, 0.6153,
0.3231


■ 27.6133, 0.4495,
0.3186

■ 15.7344, 0.6326,
0.3258


■ 33.4465, 0.4113,
0.3202


■ 40.6767, 0.3793,
0.3223

■ 49.3860, 0.3532,
0.3245

 59.6503, 0.3322,
0.3266

 71.5403, 0.3153,
0.3287

 85.1222, 0.3018,
0.3305

 94.4302, 0.2935,
0.3289

Harmonies

Analogous

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



19.7648, 0.4442, 0.2478



19.7648, 0.5391, 0.3179



19.7648, 0.5468, 0.3952

Triad

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



19.7648, 0.5391, 0.3179



19.7648, 0.2728, 0.5498



19.7648, 0.1437, 0.1596

Complementary

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



19.7648, 0.5391, 0.3179



58.4909, 0.2375, 0.3467

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.



19.7648, 0.1190, 0.1923



19.7648, 0.5391, 0.3179



19.7648, 0.1790, 0.4214

Square

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



19.7648, 0.5391, 0.3179



19.7648, 0.3824, 0.5557



19.7648, 0.1282, 0.2765



19.7648, 0.2056, 0.1616

Rectangle

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



19.7648, 0.5391, 0.3179



19.7648, 0.5095, 0.4518



19.7648, 0.1282, 0.2765



19.7648, 0.1317, 0.1661

Sweetspot

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



19.7660, 0.5391, 0.3179



66.3951, 0.3541, 0.3244



22.5365, 0.3055, 0.1656



13.4823, 0.3608, 0.3238



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.



19.7660, 0.5391, 0.3179



22.7660, 0.5999, 0.3212



31.9252, 0.4910, 0.3991



13.7186, 0.3279, 0.3271



9.2569, 0.6307, 0.3248



0.6480, 0.6061, 0.3113

Inverse Universe

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



19.7660, 0.5391, 0.3179



22.7660, 0.5999, 0.3212



30.2747, 0.2072, 0.2297



13.7186, 0.3279, 0.3271



9.2569, 0.6307, 0.3248



0.6480, 0.6061, 0.3113

Previews

White Background



This preview shows how the Yxy color 19.7648, 0.5391, 0.3179 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 19.7648, 0.5391, 0.3179 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 19.7648, 0.5391, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 19.7648, 0.5391, 0.3179.



This preview shows how white text looks on a background with the Yxy color 19.7648, 0.5391, 0.3179.

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

19.7648, 0.5391, 0.3179

Protanopia

19.9113, 0.3499, 0.3717

Deuteranopia

19.9414, 0.4194, 0.4130



Tritanopia

19.7600, 0.5509, 0.3271

Trichromacy



Original Color

19.7648, 0.5391, 0.3179

Protanomaly

17.9552, 0.4201, 0.3452

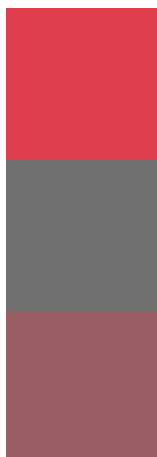
Deuteranomaly

18.5247, 0.4697, 0.3686

Tritanomaly

19.7970, 0.5468, 0.3244

Monochromacy



Original Color

19.7648, 0.5391, 0.3179

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.5817, 0.3953, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7648, 0.5391, 0.3179 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(223, 63, 76)` looks like.

```
.text, #text, p{  
    color:rgb(223, 63, 76)  
}
```

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(223, 63, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 63, 76) }
```

Border

The CSS property to change the border of an element to Yxy 19.7648, 0.5391, 0.3179 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(223, 63, 76) }
```

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

```
.border{ border-color:rgb(223, 63, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 63, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 63, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 63, 76);  
box-shadow:4px 4px 4px 4px rgb(223, 63,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7648, 0.5391, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 63, 76) }
```

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

```
.background{ background-color: rgb(223, 63,  
76) }
```

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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