

Converting Colors

$Y_{xy}(19.7962, 0.5272, 0.3017)$

Have a look what the booklet for
Yxy(19.7962, 0.5272, 0.3017)
contains.

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Color

Yxy(19.7996, 0.5271, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	E23958
RGB	226, 57, 88
RGB Percent	89%, 22%, 35%
CMY	0.1137, 0.7765, 0.6548
CMYK	0.00, 0.75, 0.61, 0.11
HSL	349°, 74%, 55%
HSV	349°, 75%, 89%
XYZ	34.5919, 19.7996, 11.2353
YIQ	111.0650, 90.7730, 45.4690

Conversions

Conversions Part 2

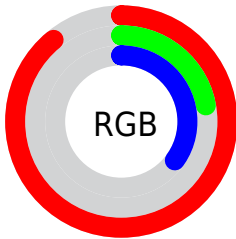
Format	Color
R_{YB}	226, 57, 88
Decimal	14825816
CIE _{Lab}	51.61, 65.56, 22.76
CIE _{LCh}	52, 69.401, 19.145
Yxy	19.7996, 0.5271, 0.3017
Android (android.graphics.Color)	4293015896 (0xFFE23958)
YUV	111.0650, -11.3710, 100.7980
Hunter-Lab	44.4967, 60.8970, 16.1772

Details

The Yxy color **19.7996, 0.5271, 0.3017** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **59.2074, 0.2437, 0.3725**, and the grayscale version is **15.9297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8176, 0.4491, 0.3082**, and **7.9609, 0.5863, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **17.7737, 0.5675, 0.3052**, and if you desaturate by 10%, it is **22.8987, 0.4848, 0.3014**.

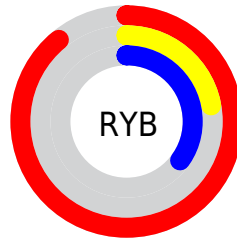
Distribution



Red (89%)

Green (22%)

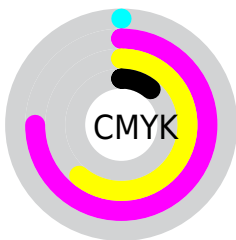
Blue (35%)



Red (89%)

Yellow (22%)

Blue (35%)

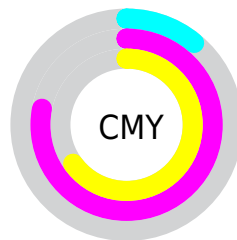


Cyan (0%)

Magenta (75%)

Yellow (61%)

Black (11%)



Cyan (11%)


Magenta (78%)


Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7996, 0.5271, 0.3017 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 19.7996, 0.5271, 0.3017 by changing the saturation by 10% instead.


 19.7996, 0.5271,
0.3017


 19.7996, 0.5271,
0.3017


250.8282, 0.4054,
0.3236


 12.2495, 0.5616,
0.2925


 43.0809, 0.4796,
0.3122


 6.9138, 0.6074,
0.2782


 59.5809, 0.4627,
0.3153


 3.4083, 0.6699,
0.2544

 79.8330, 0.4488,
0.3176

 1.3484, 0.7800,
0.2200

 104.2215, 0.4373,
0.3194

 0.1782, 0.9235,
0.0765

 133.1309, 0.4275,
0.3208

 0.0000, 1.0000,
0.0000

166.9455, 0.4191,

 0.0000, 0.0000,

0.3219

0.0000

206.0498, 0.4118,
0.3228

■ 19.7996, 0.5271,
0.3017

■ 19.7996, 0.5271,
0.3017

■ 17.7737, 0.5675,
0.3052

■ 22.8987, 0.4848,
0.3014

■ 16.6684, 0.6007,
0.3119

■ 27.1900, 0.4448,
0.3036

■ 16.3340, 0.6143,
0.3157

■ 32.7803, 0.4096,
0.3075


■ 39.7636, 0.3798,
0.3122

■ 48.2253, 0.3553,
0.3172

 58.2437, 0.3353,
0.3222

 69.8918, 0.3193,
0.3269

 83.2379, 0.3063,
0.3312

 94.8518, 0.2957,
0.3299

Harmonies

Analogous

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



19.7996, 0.4169, 0.2335



19.7996, 0.5271, 0.3017



19.7996, 0.5541, 0.3776

Triad

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



19.7996, 0.5271, 0.3017



19.7996, 0.2957, 0.5645



19.7996, 0.1344, 0.1623

Complementary

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



19.7996, 0.5271, 0.3017



59.2074, 0.2437, 0.3725

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.



19.7996, 0.1169, 0.2044



19.7996, 0.5271, 0.3017



19.7996, 0.1952, 0.4567

Square

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



19.7996, 0.5271, 0.3017



19.7996, 0.4056, 0.5447



19.7996, 0.1340, 0.3029



19.7996, 0.1877, 0.1576

Rectangle

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



19.7996, 0.5271, 0.3017



19.7996, 0.5256, 0.4332



19.7996, 0.1340, 0.3029



19.7996, 0.1249, 0.1714

Sweetspot

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



19.8008, 0.5271, 0.3017



66.6742, 0.3496, 0.3185



19.6504, 0.2835, 0.1507



13.5469, 0.3555, 0.3172



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.



19.8008, 0.5271, 0.3017



22.3897, 0.5880, 0.3088



27.1271, 0.5222, 0.3784



13.7414, 0.3263, 0.3247



9.3302, 0.6110, 0.3139



0.6589, 0.5697, 0.2912

Inverse Universe

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



19.8008, 0.5271, 0.3017



22.3897, 0.5880, 0.3088



37.1399, 0.2118, 0.2553



13.7414, 0.3263, 0.3247



9.3302, 0.6110, 0.3139



0.6589, 0.5697, 0.2912

Previews

White Background



This preview shows how the Yxy color 19.7996, 0.5271, 0.3017 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 19.7996, 0.5271, 0.3017 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 19.7996, 0.5271, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 19.7996, 0.5271, 0.3017.

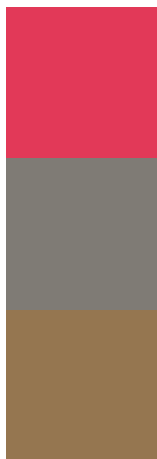


This preview shows how white text looks on a background with the Yxy color 19.7996, 0.5271, 0.3017.

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

19.7996, 0.5271, 0.3017

Protanopia

19.9623, 0.3245, 0.3401

Deuteranopia

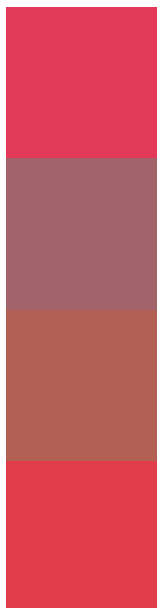
19.9256, 0.4015, 0.3937



Tritanopia

19.8230, 0.5577, 0.3281

Trichromacy



Original Color

19.7996, 0.5271, 0.3017

Protanomaly

17.7508, 0.3972, 0.3180

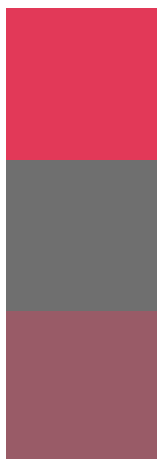
Deuteranomaly

18.3374, 0.4532, 0.3481

Tritanomaly

19.7203, 0.5470, 0.3185

Monochromacy



Original Color

19.7996, 0.5271, 0.3017

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.2337, 0.3919, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7996, 0.5271, 0.3017 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(226, 57, 88)` looks like.

```
.text, #text, p{  
    color:rgb(226, 57, 88)  
}
```

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(226, 57, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 57, 88) }
```

Border

The CSS property to change the border of an element to Yxy 19.7996, 0.5271, 0.3017 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(226, 57, 88) }
```

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

```
.border{ border-color:rgb(226, 57, 88) }
```

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

Here you see how a box with a 4 pixel rgb(226, 57, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 57, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 57, 88);  
box-shadow:4px 4px 4px 4px rgb(226, 57,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7996, 0.5271, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 57, 88) }
```

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

```
.background{ background-color: rgb(226, 57,  
88) }
```

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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