

Converting Colors

$Y_{xy}(19.9455, 0.5202, 0.3020)$

Have a look what the booklet for
Yxy(19.9455, 0.5202, 0.3020)
contains.

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Color

Yxy(19.9230, 0.5199, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	E03D5A
RGB	224, 61, 90
RGB Percent	88%, 24%, 35%
CMY	0.1216, 0.7607, 0.6472
CMYK	0.00, 0.73, 0.60, 0.12
HSL	349°, 72%, 56%
HSV	349°, 73%, 88%
XYZ	34.2525, 19.9230, 11.7074
YIQ	113.0430, 87.8390, 43.5750

Conversions

Conversions Part 2

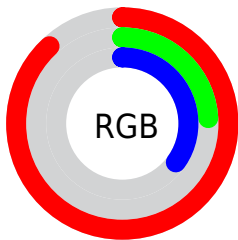
Format	Color
RYB	224, 61, 90
Decimal	14695770
CIELab	51.75, 63.79, 21.71
CIElCh	52, 67.379, 18.794
Yxy	19.9230, 0.5199, 0.3024
Android (android.graphics.Color)	4292885850 (0xFFE03D5A)
YUV	113.0430, -11.3602, 97.3093
Hunter-Lab	44.6352, 58.8673, 15.6934

Details

The Yxy color **19.9230, 0.5199, 0.3024** 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 **58.2430, 0.2440, 0.3697**, and the grayscale version is **16.5444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5864, 0.4451, 0.3091**, and **7.8708, 0.5815, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **17.7349, 0.5612, 0.3052**, and if you desaturate by 10%, it is **23.1890, 0.4775, 0.3026**.

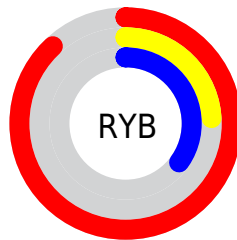
Distribution



Red (88%)

Green (24%)

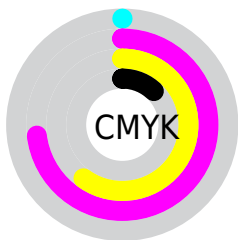
Blue (35%)



Red (88%)

Yellow (24%)

Blue (35%)

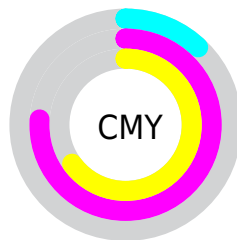


Cyan (0%)

Magenta (73%)

Yellow (60%)

Black (12%)



Cyan (12%)


Magenta (76%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9230, 0.5199, 0.3024 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 19.9230, 0.5199, 0.3024 by changing the saturation by 10% instead.


 19.9230, 0.5199,
0.3024


 19.9230, 0.5199,
0.3024


251.4980, 0.4022,
0.3234

 12.3391, 0.5534,
0.2937


 43.2881, 0.4739,
0.3124


 6.9750, 0.5982,
0.2800


 59.8380, 0.4576,
0.3154


 3.4465, 0.6597,
0.2573

 80.1454, 0.4441,
0.3176

 1.3690, 0.7741,
0.2259

 104.5946, 0.4330,
0.3194

 0.1937, 0.9155,
0.0845

 133.5701, 0.4235,
0.3207

 0.0000, 1.0000,
0.0000

167.4562, 0.4154,

 0.0000, 0.0000,

0.3218

0.0000

206.6374, 0.4084,
0.3227

■ 19.9230, 0.5199,
0.3024

■ 19.9230, 0.5199,
0.3024

■ 17.7349, 0.5612,
0.3052

■ 23.1890, 0.4775,
0.3026

■ 16.4819, 0.5962,
0.3112

■ 27.6455, 0.4381,
0.3051

■ 15.9981, 0.6156,
0.3165


■ 33.3944, 0.4037,
0.3091

■ 40.5259, 0.3748,
0.3137

■ 49.1222, 0.3511,
0.3186

 59.2587, 0.3319,
0.3233

 71.0059, 0.3164,
0.3278

 84.4299, 0.3039,
0.3320

 94.5863, 0.2940,
0.3289

Harmonies

Analogous

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



19.9230, 0.4124, 0.2353



19.9230, 0.5199, 0.3024



19.9230, 0.5482, 0.3773

Triad

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



19.9230, 0.5199, 0.3024



19.9230, 0.2987, 0.5568



19.9230, 0.1379, 0.1664

Complementary

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



19.9230, 0.5199, 0.3024



58.2430, 0.2440, 0.3697

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.



19.9230, 0.1210, 0.2088



19.9230, 0.5199, 0.3024



19.9230, 0.1999, 0.4541

Square

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



19.9230, 0.5199, 0.3024



19.9230, 0.4062, 0.5389



19.9230, 0.1388, 0.3059



19.9230, 0.1900, 0.1612

Rectangle

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



19.9230, 0.5199, 0.3024



19.9230, 0.5219, 0.4317



19.9230, 0.1388, 0.3059



19.9230, 0.1286, 0.1757

Sweetspot

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



19.9242, 0.5199, 0.3024



66.6577, 0.3499, 0.3189



20.2063, 0.2876, 0.1554



13.5430, 0.3558, 0.3176



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.



19.9242, 0.5199, 0.3024



22.8313, 0.5794, 0.3078



27.9117, 0.5116, 0.3814



13.7401, 0.3264, 0.3249



9.3246, 0.6124, 0.3147



0.6582, 0.5717, 0.2923

Inverse Universe

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



19.9242, 0.5199, 0.3024



22.8313, 0.5794, 0.3078



36.0269, 0.2126, 0.2535



13.7401, 0.3264, 0.3249



9.3246, 0.6124, 0.3147



0.6582, 0.5717, 0.2923

Previews

White Background



This preview shows how the Yxy color 19.9230, 0.5199, 0.3024 looks on a white background.

Color Contrast Check

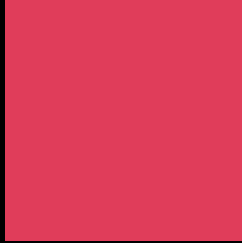
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9230, 0.5199, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

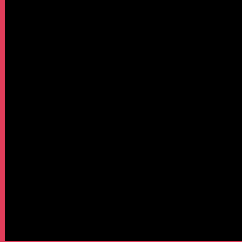
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9230, 0.5199, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 19.9230, 0.5199, 0.3024.

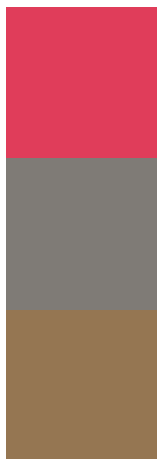


This preview shows how white text looks on a background with the Yxy color 19.9230, 0.5199, 0.3024.

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

19.9230, 0.5199, 0.3024

Protanopia

19.9859, 0.3234, 0.3383

Deuteranopia

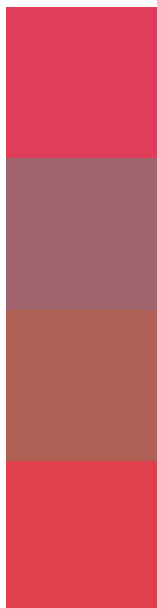
19.9556, 0.3991, 0.3904



Tritanopia

19.8859, 0.5488, 0.3271

Trichromacy



Original Color

19.9230, 0.5199, 0.3024

Protanomaly

17.8784, 0.3922, 0.3164

Deuteranomaly

18.4354, 0.4481, 0.3468

Tritanomaly

19.8766, 0.5384, 0.3188

Monochromacy



Original Color

19.9230, 0.5199, 0.3024

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.7976, 0.3871, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9230, 0.5199, 0.3024 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(224, 61, 90)` looks like.

```
.text, #text, p{  
    color:rgb(224, 61, 90)  
}
```

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(224, 61, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 61, 90) }
```

Border

The CSS property to change the border of an element to Yxy 19.9230, 0.5199, 0.3024 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(224, 61, 90) }
```

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

```
.border{ border-color:rgb(224, 61, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 61, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 61, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 61, 90);  
box-shadow:4px 4px 4px 4px rgb(224, 61,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9230, 0.5199, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 61, 90) }
```

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

```
.background{ background-color: rgb(224, 61,  
90) }
```

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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