

Converting Colors

$Y_{xy}(22.2703, 0.4959, 0.3001)$

Have a look what the booklet for
Yxy(22.2703, 0.4959, 0.3001)
contains.

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Color

Yxy(22.2383, 0.4960, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	E44967
RGB	228, 73, 103
RGB Percent	89%, 29%, 40%
CMY	0.1058, 0.7138, 0.5961
CMYK	0.00, 0.68, 0.55, 0.11
HSL	348°, 74%, 59%
HSV	348°, 68%, 89%
XYZ	36.8287, 22.2383, 15.1844
YIQ	122.7650, 82.7500, 42.1900

Conversions

Conversions Part 2

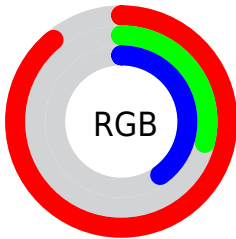
Format	Color
R_{YB}	228, 73, 103
Decimal	14960999
CIE _{Lab}	54.28, 61.59, 17.46
CIE _{LCh}	54, 64.018, 15.823
Yxy	22.2383, 0.4960, 0.2995
Android (android.graphics.Color)	4293151079 (0xFFE44967)
YUV	122.7650, -9.7441, 92.2911
Hunter-Lab	47.1575, 56.8779, 13.9192

Details

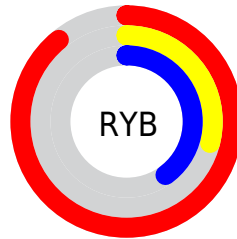
The Yxy color **22.2383, 0.4960, 0.2995** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **60.9869, 0.2470, 0.3702**, and the grayscale version is **19.7377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5584, 0.4238, 0.3045**, and **8.4024, 0.5583, 0.2849** is the 20% darker color. If you saturate the color by 10%, you get **19.4435, 0.5378, 0.3007**, and if you desaturate by 10%, it is **26.2144, 0.4554, 0.3012**.

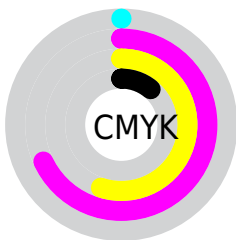
Distribution



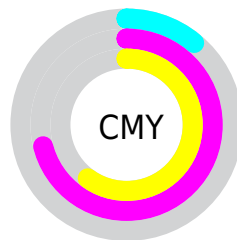
- Red (89%)
- Green (29%)
- Blue (40%)



- Red (89%)
- Yellow (29%)
- Blue (40%)



- Cyan (0%)
- Magenta (68%)
- Yellow (55%)
- Black (11%)



- Cyan (11%)
- Magenta (71%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2383, 0.4960, 0.2995 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 22.2383, 0.4960, 0.2995 by changing the saturation by 10% instead.


 22.2383, 0.4960,
0.2995


 22.2383, 0.4960,
0.2995


263.7882, 0.3932,
0.3202


 14.0321, 0.5251,
0.2918


 47.1395, 0.4560,
0.3087


 8.1430, 0.5642,
0.2803

 64.6034, 0.4418,
0.3117


 4.1866, 0.6186,
0.2618

 85.9219, 0.4300,
0.3139

 1.7785, 0.7028,
0.2319

 111.4794, 0.4202,
0.3157

 0.4737, 0.8415,
0.1585

 141.6605, 0.4119,
0.3172

 0.0000, 1.0000,
0.0000

176.8493, 0.4048,

 0.0000, 0.0000,

0.3183

0.0000

217.4305, 0.3986,
0.3193

■ 22.2383, 0.4960,
0.2995

■ 22.2383, 0.4960,
0.2995

■ 19.4435, 0.5378,
0.3007

■ 26.2144, 0.4554,
0.3012

■ 17.6939, 0.5764,
0.3054

■ 31.4806, 0.4190,
0.3048


■ 16.8077, 0.6068,
0.3130

■ 38.1374, 0.3878,
0.3096

■ 16.6789, 0.6119,
0.3145

■ 46.2744, 0.3620,
0.3149

■ 55.9738, 0.3409,
0.3201

 67.3115, 0.3239,
0.3252

 80.3586, 0.3102,
0.3299

 94.9244, 0.2991,
0.3339

 95.2359, 0.2964,
0.3290

Harmonies

Analogous

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



22.2383, 0.3929, 0.2363



22.2383, 0.4960, 0.2995



22.2383, 0.5323, 0.3709

Triad

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



22.2383, 0.4960, 0.2995



22.2383, 0.3129, 0.5390



22.2383, 0.1453, 0.1793

Complementary

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



22.2383, 0.4960, 0.2995



60.9869, 0.2470, 0.3702

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.



22.2383, 0.1326, 0.2250



22.2383, 0.4960, 0.2995



22.2383, 0.2175, 0.4553

Square

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



22.2383, 0.4960, 0.2995



22.2383, 0.4132, 0.5195



22.2383, 0.1545, 0.3214



22.2383, 0.1919, 0.1706

Rectangle

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



22.2383, 0.4960, 0.2995



22.2383, 0.5143, 0.4218



22.2383, 0.1545, 0.3214



22.2383, 0.1375, 0.1898

Sweetspot

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



22.2396, 0.4960, 0.2995



69.2943, 0.3451, 0.3190



22.2378, 0.2871, 0.1620



14.0572, 0.3508, 0.3175



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.



22.2396, 0.4960, 0.2995



23.8842, 0.5560, 0.3024



30.2897, 0.4970, 0.3777



14.4134, 0.3262, 0.3245



9.6430, 0.6086, 0.3127



0.7254, 0.5692, 0.2909

Inverse Universe

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



22.2396, 0.4960, 0.2995



23.8842, 0.5560, 0.3024



40.2724, 0.2181, 0.2631



14.4134, 0.3262, 0.3245



9.6430, 0.6086, 0.3127



0.7254, 0.5692, 0.2909

Previews

White Background



This preview shows how the Yxy color 22.2383, 0.4960, 0.2995 looks on a white background.

Color Contrast Check

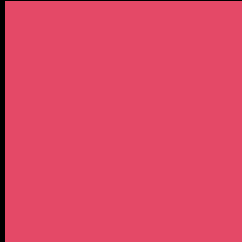
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2383, 0.4960, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

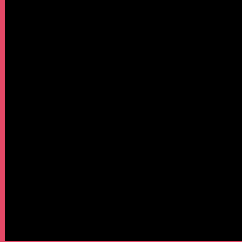
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2383, 0.4960, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 22.2383, 0.4960, 0.2995.

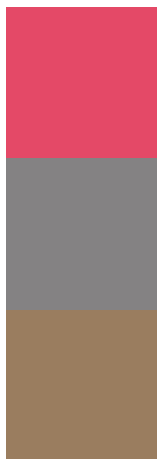


This preview shows how white text looks on a background with the Yxy color 22.2383, 0.4960, 0.2995.

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

22.2383, 0.4960, 0.2995

Protanopia

22.5095, 0.3140, 0.3272

Deuteranopia

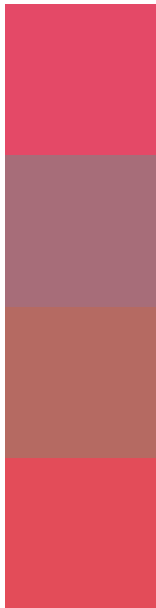
22.3635, 0.3850, 0.3788



Tritanopia

22.2327, 0.5249, 0.3258

Trichromacy



Original Color

22.2383, 0.4960, 0.2995

Protanomaly

20.5332, 0.3759, 0.3105

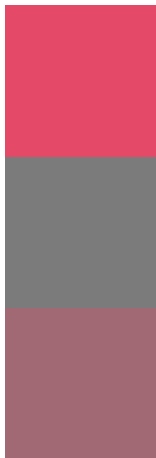
Deuteranomaly

21.0137, 0.4285, 0.3409

Tritanomaly

22.2210, 0.5143, 0.3169

Monochromacy



Original Color

22.2383, 0.4960, 0.2995

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.9412, 0.3766, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2383, 0.4960, 0.2995 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(228, 73, 103)` looks like.

```
.text, #text, p{  
    color:rgb(228, 73, 103)  
}
```

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(228, 73, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 73, 103) }
```

Border

The CSS property to change the border of an element to Yxy 22.2383, 0.4960, 0.2995 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(228, 73, 103) }
```

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

```
.border{ border-color:rgb(228, 73, 103) }
```

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

Here you see how a box with a 4 pixel rgb(228, 73, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 73, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 73, 103);  
box-shadow:4px 4px 4px 4px rgb(228, 73,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2383, 0.4960, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 73, 103) }
```

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

```
.background{ background-color: rgb(228, 73,  
103) }
```

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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