

Converting Colors

$Y_{xy}(24.0366, 0.4642, 0.2900)$

Have a look what the booklet for
Yxy(24.0366, 0.4642, 0.2900)
contains.

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Color

Yxy(24.0366, 0.4642, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	E45378
RGB	228, 83, 120
RGB Percent	89%, 33%, 47%
CMY	0.1059, 0.6744, 0.5295
CMYK	0.00, 0.64, 0.47, 0.11
HSL	345°, 73%, 61%
HSV	345°, 64%, 89%
XYZ	38.4751, 24.0366, 20.3731
YIQ	130.5730, 74.5430, 42.2470

Conversions

Conversions Part 2

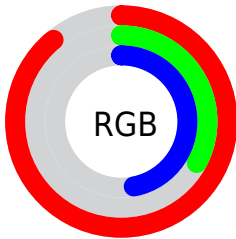
Format	Color
R _Y B	228, 83, 120
Decimal	14963576
CIE Lab	56.12, 58.99, 9.96
CIE LCh	56, 59.825, 9.584
Yxy	24.0366, 0.4642, 0.2900
Android (android.graphics.Color)	4293153656 (0xFFE45378)
YUV	130.5730, -5.2125, 85.4435
Hunter-Lab	49.0271, 54.2844, 9.6812

Details

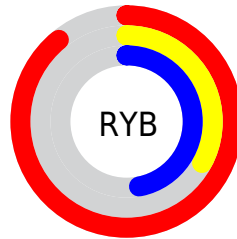
The Yxy color **24.0366, 0.4642, 0.2900** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **61.0852, 0.2533, 0.3800**, and the grayscale version is **22.5383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7038, 0.3999, 0.2948**, and **9.0250, 0.5194, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **20.7267, 0.5029, 0.2890**, and if you desaturate by 10%, it is **28.5689, 0.4285, 0.2940**.

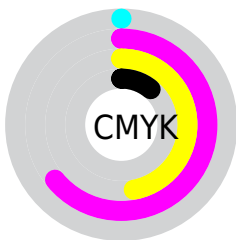
Distribution



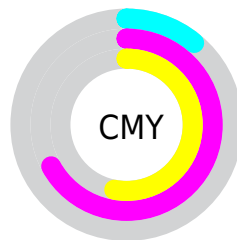
- Red (89%)
- Green (33%)
- Blue (47%)



- Red (89%)
- Yellow (33%)
- Blue (47%)



- Cyan (0%)
- Magenta (64%)
- Yellow (47%)
- Black (11%)




- Cyan (11%)
- Magenta (67%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0366, 0.4642, 0.2900 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 24.0366, 0.4642, 0.2900 by changing the saturation by 10% instead.


 24.0366, 0.4642,
0.2900


 24.0366, 0.4642,
0.2900


273.0055, 0.3801,
0.3136


 15.3608, 0.4880,
0.2825


 50.0899, 0.4316,
0.2997


 9.0730, 0.5200,
0.2719


 68.2362, 0.4200,
0.3030

 4.7888, 0.5653,
0.2558

 90.3081, 0.4104,
0.3056

 2.1239, 0.6326,
0.2295

 116.6900, 0.4024,
0.3078

 0.6780, 0.7953,
0.1928

147.7663, 0.3955,
0.3096

 0.0000, 1.0000,
0.0000

183.9214, 0.3897,

 0.0000, 0.0000,

0.3112

0.0000

225.5396, 0.3846,
0.3125

■ 24.0366, 0.4642,
0.2900

■ 24.0366, 0.4642,
0.2900

■ 20.7267, 0.5029,
0.2890

■ 28.5689, 0.4285,
0.2940

■ 18.5141, 0.5415,
0.2919

■ 34.4247, 0.3973,
0.2998


■ 17.2535, 0.5760,
0.2990


■ 41.6989, 0.3710,
0.3065


■ 16.7992, 0.5946,
0.3049

■ 50.4768, 0.3492,
0.3135

■ 60.8367, 0.3315,
0.3203

 72.8514, 0.3172,
0.3268

 86.5895, 0.3055,
0.3328

 95.2325, 0.2964,
0.3290

Harmonies

Analogous

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



24.0366, 0.3637, 0.2327



24.0366, 0.4642, 0.2900



24.0366, 0.5136, 0.3569

Triad

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



24.0366, 0.4642, 0.2900



24.0366, 0.3355, 0.5227



24.0366, 0.1514, 0.1962

Complementary

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



24.0366, 0.4642, 0.2900



61.0852, 0.2533, 0.3800

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.



24.0366, 0.1462, 0.2490



24.0366, 0.4642, 0.2900



24.0366, 0.2433, 0.4649

Square

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



24.0366, 0.4642, 0.2900



24.0366, 0.4267, 0.4950



24.0366, 0.1757, 0.3475



24.0366, 0.1888, 0.1807

Rectangle

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



24.0366, 0.4642, 0.2900



24.0366, 0.5077, 0.4041



24.0366, 0.1757, 0.3475



24.0366, 0.1461, 0.2091

Sweetspot

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



24.0379, 0.4642, 0.2900



70.7771, 0.3409, 0.3166



22.6523, 0.2795, 0.1659



14.3520, 0.3462, 0.3146



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.



24.0379, 0.4642, 0.2900



25.7578, 0.5142, 0.2894



29.8047, 0.4893, 0.3655



14.4280, 0.3252, 0.3230



9.7176, 0.5909, 0.3029



0.7329, 0.5494, 0.2800

Inverse Universe

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



24.0379, 0.4642, 0.2900



25.7578, 0.5142, 0.2894



46.0980, 0.2259, 0.2822



14.4280, 0.3252, 0.3230



9.7176, 0.5909, 0.3029



0.7329, 0.5494, 0.2800

Previews

White Background



This preview shows how the Yxy color 24.0366, 0.4642, 0.2900 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 24.0366, 0.4642, 0.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

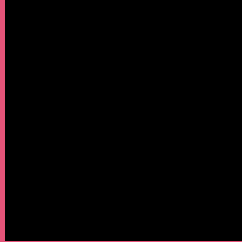
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0366, 0.4642, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 24.0366, 0.4642, 0.2900.



This preview shows how white text looks on a background with the Yxy color 24.0366, 0.4642, 0.2900.

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

24.0366, 0.4642, 0.2900

Protanopia

24.2566, 0.2985, 0.3055

Deuteranopia

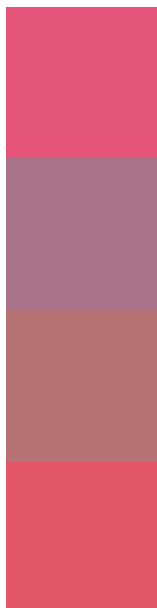
24.2254, 0.3634, 0.3568



Tritanopia

23.9564, 0.4976, 0.3233

Trichromacy



Original Color

24.0366, 0.4642, 0.2900

Protanomaly

22.4213, 0.3524, 0.2941

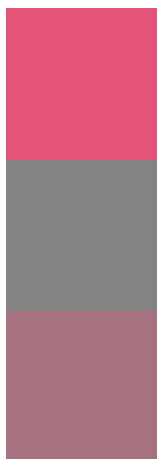
Deuteranomaly

23.0163, 0.4002, 0.3249

Tritanomaly

23.9657, 0.4870, 0.3116

Monochromacy



Original Color

24.0366, 0.4642, 0.2900

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.6739, 0.3645, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0366, 0.4642, 0.2900 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, 83, 120)` looks like.

```
.text, #text, p{  
    color:rgb(228, 83, 120)  
}
```

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, 83, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 83, 120) }
```

Border

The CSS property to change the border of an element to Yxy 24.0366, 0.4642, 0.2900 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, 83, 120) }
```

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

```
.border{ border-color:rgb(228, 83, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 83, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 83, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 83, 120);  
box-shadow:4px 4px 4px 4px rgb(228, 83,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0366, 0.4642, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 83, 120) }
```

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

```
.background{ background-color: rgb(228, 83,  
120) }
```

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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