

Converting Colors

$Y_{xy}(22.0523, 0.4703, 0.2896)$

Have a look what the booklet for
Yxy(22.0523, 0.4703, 0.2896)
contains.

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Color

Yxy(22.0523, 0.4703, 0.2896)

Conversions

Conversions Part 1

Format	Color
Hex	DE4D72
RGB	222, 77, 114
RGB Percent	87%, 30%, 45%
CMY	0.1295, 0.6979, 0.5530
CMYK	0.00, 0.65, 0.49, 0.13
HSL	345°, 69%, 59%
HSV	345°, 65%, 87%
XYZ	35.8121, 22.0523, 18.2830
YIQ	124.5730, 74.5430, 42.2470

Conversions

Conversions Part 2

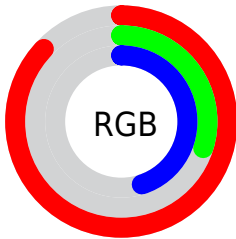
Format	Color
R _Y B	222, 77, 114
Decimal	14568818
CIE Lab	54.08, 59.05, 10.49
CIE LCh	54, 59.979, 10.076
Yxy	22.0523, 0.4703, 0.2896
Android (android.graphics.Color)	4292758898 (0xFFDE4D72)
YUV	124.5730, -5.2125, 85.4435
Hunter-Lab	46.9599, 53.9464, 9.7884

Details

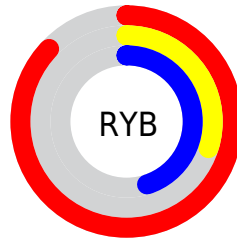
The Yxy color **22.0523, 0.4703, 0.2896** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **57.3198, 0.2525, 0.3815**, and the grayscale version is **20.3591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7882, 0.4087, 0.2950**, and **7.9921, 0.5310, 0.2704** is the 20% darker color. If you saturate the color by 10%, you get **19.1150, 0.5091, 0.2892**, and if you desaturate by 10%, it is **26.1196, 0.4340, 0.2932**.

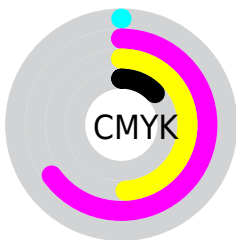
Distribution



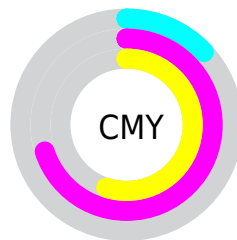
- Red (87%)
- Green (30%)
- Blue (45%)



- Red (87%)
- Yellow (30%)
- Blue (45%)



- Cyan (0%)
- Magenta (65%)
- Yellow (49%)
- Black (13%)




- Cyan (13%)
- Magenta (70%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0523, 0.4703, 0.2896 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 22.0523, 0.4703, 0.2896 by changing the saturation by 10% instead.


 22.0523, 0.4703,
0.2896


 22.0523, 0.4703,
0.2896

262.8193, 0.3818,
0.3139


 13.8953, 0.4958,
0.2816


 46.8324, 0.4357,
0.2997

 8.0479, 0.5304,
0.2702


 64.2244, 0.4234,
0.3032


 4.1256, 0.5798,
0.2525

 85.4634, 0.4133,
0.3059

 1.7441, 0.6537,
0.2231

 110.9340, 0.4049,
0.3081

 0.4520, 0.8386,
0.1614

 141.0205, 0.3978,
0.3099

 0.0000, 1.0000,
0.0000

176.1072, 0.3917,

 0.0000, 0.0000,

0.3115

0.0000

216.5787, 0.3864,
0.3128

■ 22.0523, 0.4703,
0.2896

■ 22.0523, 0.4703,
0.2896

■ 19.1150, 0.5091,
0.2892

■ 26.1196, 0.4340,
0.2932

■ 17.1876, 0.5473,
0.2927

■ 31.4139, 0.4021,
0.2987


■ 16.1286, 0.5807,
0.3005


■ 38.0257, 0.3750,
0.3053


■ 15.8193, 0.5942,
0.3047

■ 46.0358, 0.3526,
0.3123

■ 55.5189, 0.3343,
0.3192

 66.5438, 0.3194,
0.3257

 79.1755, 0.3074,
0.3318

 93.4749, 0.2976,
0.3374

 94.2679, 0.2929,
0.3289

Harmonies

Analogous

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



22.0523, 0.3669, 0.2310



22.0523, 0.4703, 0.2896



22.0523, 0.5196, 0.3577

Triad

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



22.0523, 0.4703, 0.2896



22.0523, 0.3336, 0.5290



22.0523, 0.1480, 0.1921

Complementary

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



22.0523, 0.4703, 0.2896



57.3198, 0.2525, 0.3815

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.



22.0523, 0.1420, 0.2450



22.0523, 0.4703, 0.2896



22.0523, 0.2394, 0.4682

Square

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



22.0523, 0.4703, 0.2896



22.0523, 0.4273, 0.4999



22.0523, 0.1711, 0.3457



22.0523, 0.1865, 0.1771

Rectangle

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



22.0523, 0.4703, 0.2896



22.0523, 0.5123, 0.4060



22.0523, 0.1711, 0.3457



22.0523, 0.1424, 0.2049

Sweetspot

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



22.0535, 0.4703, 0.2896



69.4556, 0.3427, 0.3159



20.6925, 0.2783, 0.1625



14.0952, 0.3480, 0.3139



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.



22.0535, 0.4703, 0.2896



25.1555, 0.5220, 0.2899



27.4001, 0.4958, 0.3659



13.7576, 0.3252, 0.3230



9.4126, 0.5906, 0.3027



0.6668, 0.5466, 0.2785

Inverse Universe

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



22.0535, 0.4703, 0.2896



25.1555, 0.5220, 0.2899



42.8887, 0.2244, 0.2808



13.7576, 0.3252, 0.3230



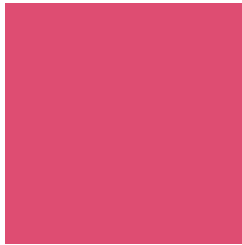
9.4126, 0.5906, 0.3027



0.6668, 0.5466, 0.2785

Previews

White Background



This preview shows how the Yxy color 22.0523, 0.4703, 0.2896 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 22.0523, 0.4703, 0.2896 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 22.0523, 0.4703, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 22.0523, 0.4703, 0.2896.



This preview shows how white text looks on a background with the Yxy color 22.0523, 0.4703, 0.2896.

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

22.0523, 0.4703, 0.2896

Protanopia

22.3206, 0.2990, 0.3064

Deuteranopia

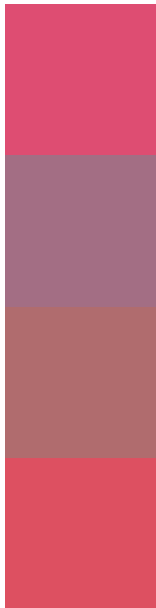
22.2128, 0.3652, 0.3595



Tritanopia

21.9384, 0.5064, 0.3244

Trichromacy



Original Color

22.0523, 0.4703, 0.2896

Protanomaly

20.6043, 0.3552, 0.2946

Deuteranomaly

21.0810, 0.4037, 0.3263

Tritanomaly

21.9725, 0.4940, 0.3115

Monochromacy



Original Color

22.0523, 0.4703, 0.2896

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.5792, 0.3669, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0523, 0.4703, 0.2896 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(222, 77, 114)` looks like.

```
.text, #text, p{  
    color:rgb(222, 77, 114)  
}
```

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(222, 77, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 77, 114) }
```

Border

The CSS property to change the border of an element to Yxy 22.0523, 0.4703, 0.2896 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(222, 77, 114) }
```

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

```
.border{ border-color:rgb(222, 77, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 77, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 77, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 77, 114);  
box-shadow:4px 4px 4px 4px rgb(222, 77,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0523, 0.4703, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 77, 114) }
```

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

```
.background{ background-color: rgb(222, 77,  
114) }
```

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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