

Converting Colors

$Y_{xy}(21.9603, 0.4522, 0.2857)$

Have a look what the booklet for
Yxy(21.9603, 0.4522, 0.2857)
contains.

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Color

Yxy(21.9896, 0.4516, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	D85278
RGB	216, 82, 120
RGB Percent	85%, 32%, 47%
CMY	0.1530, 0.6783, 0.5295
CMYK	0.00, 0.62, 0.44, 0.15
HSL	343°, 63%, 58%
HSV	343°, 62%, 85%
XYZ	34.7220, 21.9896, 20.1751
YIQ	126.3980, 67.6660, 40.2260

Conversions

Conversions Part 2

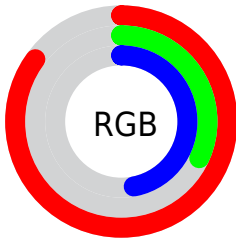
Format	Color
R_{YB}	216, 82, 120
Decimal	14176888
CIE _{Lab}	54.02, 55.64, 6.70
CIE _{LCh}	54, 56.040, 6.864
Yxy	21.9896, 0.4516, 0.2860
Android (android.graphics.Color)	4292366968 (0xFFD85278)
YUV	126.3980, -3.1542, 78.5810
Hunter-Lab	46.8931, 50.1077, 7.3165

Details

The Yxy color **21.9896, 0.4516, 0.2860** 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 **54.1155, 0.2561, 0.3841**, and the grayscale version is **21.0029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1299, 0.4005, 0.2928**, and **7.9684, 0.5043, 0.2662** is the 20% darker color. If you saturate the color by 10%, you get **18.8830, 0.4882, 0.2839**, and if you desaturate by 10%, it is **26.1842, 0.4182, 0.2910**.

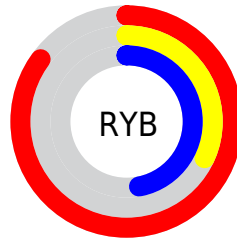
Distribution



Red (85%)

Green (32%)

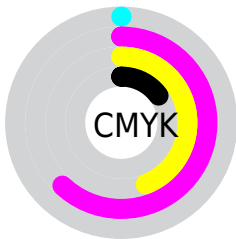
Blue (47%)



Red (85%)

Yellow (32%)

Blue (47%)

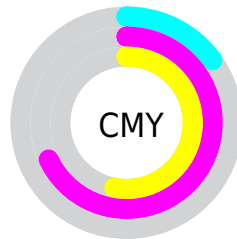


Cyan (0%)

Magenta (62%)

Yellow (44%)

Black (15%)



Cyan (15%)


Magenta (68%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9896, 0.4516, 0.2860 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 21.9896, 0.4516, 0.2860 by changing the saturation by 10% instead.


 21.9896, 0.4516,
0.2860


 21.9896, 0.4516,
0.2860


262.4920, 0.3736,
0.3114


 13.8493, 0.4742,
0.2781


 46.7288, 0.4210,
0.2963


 8.0159, 0.5051,
0.2669


 64.0965, 0.4102,
0.2999


 4.1051, 0.5497,
0.2500

 85.3087, 0.4014,
0.3027

 1.7325, 0.6180,
0.2223

 110.7498, 0.3940,
0.3051

 0.4446, 0.8252,
0.1688

 140.8044, 0.3877,
0.3071

 0.0000, 1.0000,
0.0000

175.8566, 0.3823,

 0.0000, 0.0000,

0.3087

0.0000

216.2910, 0.3777,
0.3102

■ 21.9896, 0.4516,
0.2860

■ 21.9896, 0.4516,
0.2860

■ 18.8830, 0.4882,
0.2839

■ 26.1842, 0.4182,
0.2910

■ 16.7581, 0.5257,
0.2857

■ 31.5529, 0.3893,
0.2977

■ 15.4930, 0.5606,
0.2920

■ 38.1774, 0.3650,
0.3053

■ 14.9357, 0.5846,
0.2994

■ 46.1307, 0.3449,
0.3130

■ 55.4805, 0.3285,
0.3205

■ 66.2897, 0.3151,
0.3276

■ 78.6174, 0.3042,
0.3342

■ 92.5194, 0.2954,
0.3403

■ 93.3368, 0.2894,
0.3289

Harmonies

Analogous

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



21.9896, 0.3526, 0.2312



21.9896, 0.4516, 0.2860



21.9896, 0.5055, 0.3510

Triad

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



21.9896, 0.4516, 0.2860



21.9896, 0.3442, 0.5162



21.9896, 0.1539, 0.2032

Complementary

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



21.9896, 0.4516, 0.2860



54.1155, 0.2561, 0.3841

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.



21.9896, 0.1519, 0.2589



21.9896, 0.4516, 0.2860



21.9896, 0.2536, 0.4679

Square

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



21.9896, 0.4516, 0.2860



21.9896, 0.4315, 0.4856



21.9896, 0.1845, 0.3576



21.9896, 0.1876, 0.1848

Rectangle

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



21.9896, 0.4516, 0.2860



21.9896, 0.5043, 0.3970



21.9896, 0.1845, 0.3576



21.9896, 0.1497, 0.2171

Sweetspot

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



21.9908, 0.4516, 0.2860



70.8498, 0.3399, 0.3152



20.4643, 0.2783, 0.1686



14.3693, 0.3449, 0.3130



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.



21.9908, 0.4516, 0.2860



26.5417, 0.4983, 0.2839



26.5864, 0.4843, 0.3624



12.4781, 0.3247, 0.3224



8.8578, 0.5807, 0.2973



0.5484, 0.5307, 0.2697

Inverse Universe

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



21.9908, 0.4516, 0.2860



26.5417, 0.4983, 0.2839



42.2765, 0.2284, 0.2871



12.4781, 0.3247, 0.3224



8.8578, 0.5807, 0.2973



0.5484, 0.5307, 0.2697

Previews

White Background



This preview shows how the Yxy color 21.9896, 0.4516, 0.2860 looks on a white background.

Color Contrast Check

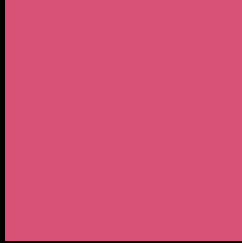
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9896, 0.4516, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

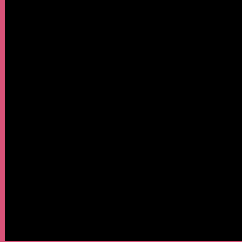
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9896, 0.4516, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 21.9896, 0.4516, 0.2860.

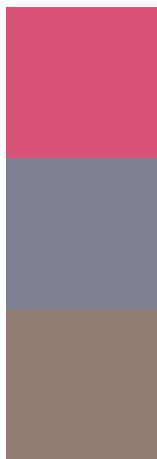


This preview shows how white text looks on a background with the Yxy color 21.9896, 0.4516, 0.2860.

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

21.9896, 0.4516, 0.2860

Protanopia

22.2879, 0.2928, 0.2995

Deuteranopia

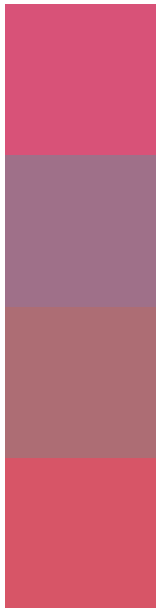
22.1780, 0.3541, 0.3478



Tritanopia

21.9028, 0.4880, 0.3228

Trichromacy



Original Color

21.9896, 0.4516, 0.2860

Protanomaly

20.7654, 0.3430, 0.2894

Deuteranomaly

21.0825, 0.3907, 0.3186

Tritanomaly

21.9233, 0.4754, 0.3091

Monochromacy



Original Color

21.9896, 0.4516, 0.2860

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

19.9780, 0.3607, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9896, 0.4516, 0.2860 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(216, 82, 120)` looks like.

```
.text, #text, p{  
    color:rgb(216, 82, 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(216, 82, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 82, 120) }
```

Border

The CSS property to change the border of an element to Yxy 21.9896, 0.4516, 0.2860 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(216, 82, 120) }
```

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

```
.border{ border-color:rgb(216, 82, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 82, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 82, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 82, 120); box-shadow:4px 4px 4px 4px rgb(216, 82, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9896, 0.4516, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 82, 120) }
```

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

```
.background{ background-color: rgb(216, 82,  
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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