

Converting Colors

$Y_{xy}(17.8965, 0.4969, 0.2606)$

Have a look what the booklet for
Yxy(17.8965, 0.4969, 0.2606)
contains.

Yxy(17.8737, 0.4962, 0.2605)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.8737, 0.4962, 0.2605)

Conversions

Conversions Part 1

Format	Color
Hex	E01D6F
RGB	224, 29, 111
RGB Percent	88%, 11%, 44%
CMY	0.1216, 0.8860, 0.5647
CMYK	0.00, 0.87, 0.50, 0.12
HSL	335°, 77%, 50%
HSV	335°, 87%, 88%
XYZ	34.0458, 17.8737, 16.6936
YIQ	96.6530, 89.8980, 66.8420

Conversions

Conversions Part 2

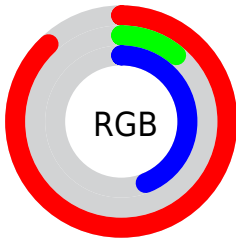
Format	Color
R_{YB}	224, 29, 111
Decimal	14687599
CIE _{Lab}	49.34, 73.45, 5.62
CIE _{LCh}	49, 73.661, 4.373
Yxy	17.8737, 0.4962, 0.2605
Android (android.graphics.Color)	4292877679 (0xFFE01D6F)
YUV	96.6530, 7.0731, 111.6833
Hunter-Lab	42.2773, 69.7603, 6.1829

Details

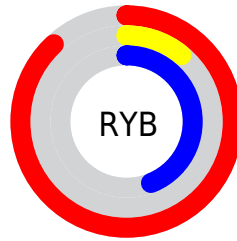
The Yxy color **17.8737, 0.4962, 0.2605** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **55.5207, 0.2622, 0.4543**, and the grayscale version is **11.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1760, 0.4247, 0.2688**, and **8.0515, 0.5374, 0.2734** is the 20% darker color. If you saturate the color by 10%, you get **16.8719, 0.5244, 0.2680**, and if you desaturate by 10%, it is **19.7084, 0.4664, 0.2584**.

Distribution



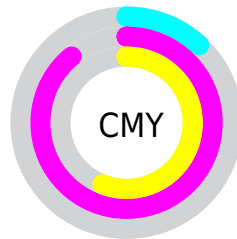
- Red (88%)
- Green (11%)
- Blue (44%)



- Red (88%)
- Yellow (11%)
- Blue (44%)



- Cyan (0%)
- Magenta (87%)
- Yellow (50%)
- Black (12%)



- Cyan (12%)
- Magenta (89%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8737, 0.4962, 0.2605 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 17.8737, 0.4962, 0.2605 by changing the saturation by 10% instead.


 17.8737, 0.4962,
0.2605


 17.8737, 0.4962,
0.2605


240.1582, 0.3911,
0.3012


 10.8593, 0.5271,
0.2479


 39.8220, 0.4546,
0.2770


 5.9723, 0.5696,
0.2301

 55.5247, 0.4400,
0.2827


 2.8283, 0.6304,
0.2037

 74.8924, 0.4281,
0.2873

 1.0427, 0.7230,
0.1626

 98.3093, 0.4182,
0.2910

 0.0000, 1.0000,
0.0000

 126.1600, 0.4098,
0.2942

 0.0000, 0.0000,
0.0000

 158.8288, 0.4027,

0.2969

196.7000, 0.3965,
0.2992

■ 17.8737, 0.4962,
0.2605

■ 17.8737, 0.4962,
0.2605

■ 16.8719, 0.5244,
0.2680

■ 19.7084, 0.4664,
0.2584

■ 16.6559, 0.5325,
0.2707

■ 22.5297, 0.4370,
0.2613

■ 26.4593, 0.4097,
0.2680

■ 31.6004, 0.3854,
0.2774

■ 38.0440, 0.3644,
0.2883

■ 45.8727, 0.3468,
0.2996

■ 55.1619, 0.3320,
0.3109

■ 65.9816, 0.3199,
0.3218

■ 78.3973, 0.3100,
0.3320

Harmonies

Analogous

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



17.8737, 0.3523, 0.1964



17.8737, 0.4962, 0.2605



17.8737, 0.5730, 0.3354

Triad

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



17.8737, 0.4962, 0.2605



17.8737, 0.3473, 0.5901



17.8737, 0.1099, 0.1657

Complementary

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



17.8737, 0.4962, 0.2605



55.5207, 0.2622, 0.4543

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.



17.8737, 0.1078, 0.2351



17.8737, 0.4962, 0.2605



17.8737, 0.2323, 0.5477

Square

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



17.8737, 0.4962, 0.2605



17.8737, 0.4612, 0.5154



17.8737, 0.1452, 0.3782



17.8737, 0.1458, 0.1446

Rectangle

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



17.8737, 0.4962, 0.2605



17.8737, 0.5667, 0.3896



17.8737, 0.1452, 0.3782



17.8737, 0.1054, 0.1822

Sweetspot

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



17.8748, 0.4962, 0.2605



62.5135, 0.3454, 0.3006



11.7971, 0.2282, 0.1093



12.5373, 0.3511, 0.2966



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.



17.8748, 0.4962, 0.2605



22.3254, 0.5342, 0.2716



17.5945, 0.6082, 0.3366



13.7957, 0.3226, 0.3192



9.7181, 0.5286, 0.2686



0.6912, 0.4890, 0.2467

Inverse Universe

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



17.8748, 0.4962, 0.2605



22.3254, 0.5342, 0.2716



52.2276, 0.2216, 0.3107



13.7957, 0.3226, 0.3192



9.7181, 0.5286, 0.2686



0.6912, 0.4890, 0.2467

Previews

White Background



This preview shows how the Yxy color 17.8737, 0.4962, 0.2605 looks on a white 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

Black Background



This preview shows how the Yxy color 17.8737, 0.4962, 0.2605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

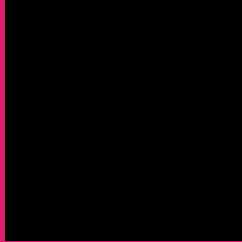
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8737, 0.4962, 0.2605

Background



This preview shows how black text looks on a background with the Yxy color 17.8737, 0.4962, 0.2605.



This preview shows how white text looks on a background with the Yxy color 17.8737, 0.4962, 0.2605.

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

17.8737, 0.4962, 0.2605

Protanopia

18.2827, 0.2598, 0.2566

Deuteranopia

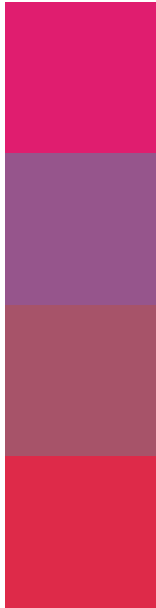
18.1448, 0.3564, 0.3513



Tritanopia

17.8924, 0.5804, 0.3291

Trichromacy



Original Color

17.8737, 0.4962, 0.2605

Protanomaly

14.8745, 0.3314, 0.2398

Deuteranomaly

15.4219, 0.4134, 0.2954

Tritanomaly

17.6666, 0.5559, 0.3054

Monochromacy



Original Color

17.8737, 0.4962, 0.2605

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.4337, 0.3874, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8737, 0.4962, 0.2605 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, 29, 111)` looks like.

```
.text, #text, p{  
    color:rgb(224, 29, 111)  
}
```

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, 29, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 29, 111) }
```

Border

The CSS property to change the border of an element to Yxy 17.8737, 0.4962, 0.2605 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, 29, 111) }
```

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

```
.border{ border-color:rgb(224, 29, 111) }
```

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

Here you see how a box with a 4 pixel rgb(224, 29, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 29, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 29, 111);  
box-shadow:4px 4px 4px 4px rgb(224, 29,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8737, 0.4962, 0.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 29, 111) }
```

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

```
.background{ background-color: rgb(224, 29,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor