

Converting Colors

$Y_{xy}(29.5985, 0.3667, 0.2359)$

Have a look what the booklet for
Yxy(29.5985, 0.3667, 0.2359)
contains.

Yxy(29.5105, 0.3664, 0.2359)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.5105, 0.3664, 0.2359)

Conversions

Conversions Part 1

Format	Color
Hex	E565BA
RGB	229, 101, 186
RGB Percent	90%, 40%, 73%
CMY	0.1019, 0.6040, 0.2705
CMYK	0.00, 0.56, 0.19, 0.10
HSL	320°, 71%, 65%
HSV	320°, 56%, 90%
XYZ	45.8357, 29.5105, 49.7513
YIQ	148.9620, 49.0030, 53.5710

Conversions

Conversions Part 2

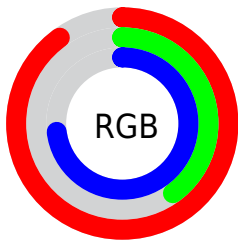
Format	Color
R _{YB}	229, 101, 186
Decimal	15033786
CIE _{Lab}	61.23, 59.21, -20.89
CIE _{LCh}	61, 62.786, 340.567
Yxy	29.5105, 0.3664, 0.2359
Android (android.graphics.Color)	4293223866 (0xFFE565BA)
YUV	148.9620, 18.2597, 70.1933
Hunter-Lab	54.3236, 55.5438, -16.2732

Details

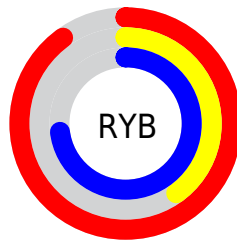
The Yxy color **29.5105, 0.3664, 0.2359** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **60.8259, 0.2839, 0.4494**, and the grayscale version is **29.9441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7847, 0.3278, 0.2449**, and **12.0791, 0.3818, 0.2107** is the 20% darker color. If you saturate the color by 10%, you get **25.3496, 0.3803, 0.2236**, and if you desaturate by 10%, it is **34.9305, 0.3537, 0.2510**.

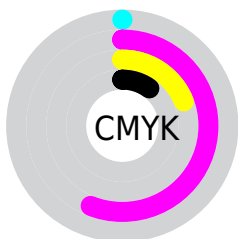
Distribution



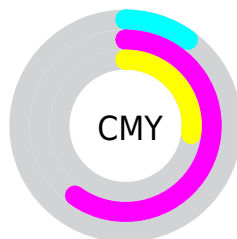
- Red (90%)
- Green (40%)
- Blue (73%)



- Red (90%)
- Yellow (40%)
- Blue (73%)



- Cyan (0%)
- Magenta (56%)
- Yellow (19%)
- Black (10%)





- Cyan (10%)
- Magenta (60%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5105, 0.3664, 0.2359 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 29.5105, 0.3664, 0.2359 by changing the saturation by 10% instead.


 29.5105, 0.3664,
0.2359


 29.5105, 0.3664,
0.2359


299.6161, 0.3395,
0.2819

 19.4673, 0.3731,
0.2247


 58.8872, 0.3567,
0.2524

 12.0085, 0.3816,
0.2106


 78.9895, 0.3530,
0.2587

 6.7494, 0.3928,
0.1921


 103.2137, 0.3499,
0.2640

 3.3059, 0.4082,
0.1674

 131.9441, 0.3472,
0.2686

 1.2934, 0.4303,
0.1330

165.5652, 0.3449,
0.2726

 0.1361, 0.4877,
0.0367

204.4612, 0.3429,

 0.0000, 0.5644,

0.2761

0.0000

249.0167, 0.3411,
0.2791

■ 0.0000, 0.0000,
0.0000

■ 29.5105, 0.3664,
0.2359

■ 29.5105, 0.3664,
0.2359

■ 25.3496, 0.3803,
0.2236

■ 34.9305, 0.3537,
0.2510

■ 22.3375, 0.3949,
0.2151

■ 41.6992, 0.3423,
0.2677

■ 20.3519, 0.4097,
0.2114


■ 49.9030, 0.3323,
0.2851


■ 19.2400, 0.4242,
0.2128


■ 59.6197, 0.3237,
0.3025

■ 18.9316, 0.4301,
0.2143

■ 70.9217, 0.3165,
0.3194

 83.8765, 0.3103,
0.3355

 94.4632, 0.3053,
0.3443

 94.9296, 0.3011,
0.3364

 95.4006, 0.2970,
0.3290

Harmonies

Analogous

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



29.5105, 0.2651, 0.1971



29.5105, 0.3664, 0.2359



29.5105, 0.4638, 0.2930

Triad

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



29.5105, 0.3664, 0.2359



29.5105, 0.4227, 0.4942



29.5105, 0.1484, 0.2483

Complementary

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



29.5105, 0.3664, 0.2359



60.8259, 0.2839, 0.4494

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.



29.5105, 0.1765, 0.3436



29.5105, 0.3664, 0.2359



29.5105, 0.3326, 0.5182

Square

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



29.5105, 0.3664, 0.2359



29.5105, 0.4902, 0.4297



29.5105, 0.2422, 0.4586



29.5105, 0.1545, 0.1974

Rectangle

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



29.5105, 0.3664, 0.2359



29.5105, 0.5024, 0.3366



29.5105, 0.2422, 0.4586



29.5105, 0.1537, 0.2752

Sweetspot

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



29.5119, 0.3664, 0.2359



74.4899, 0.3247, 0.3005



20.8620, 0.2369, 0.1634



15.3837, 0.3263, 0.2970



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.



29.5119, 0.3664, 0.2359



31.6845, 0.3824, 0.2220



27.3787, 0.4523, 0.3057



14.5286, 0.3189, 0.3135



10.8458, 0.4280, 0.2131



0.8186, 0.4084, 0.2023

Inverse Universe

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



29.5119, 0.3664, 0.2359



31.6845, 0.3824, 0.2220



63.3513, 0.2521, 0.3571



14.5286, 0.3189, 0.3135



10.8458, 0.4280, 0.2131



0.8186, 0.4084, 0.2023

Previews

White Background



This preview shows how the Yxy color 29.5105, 0.3664, 0.2359 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 29.5105, 0.3664, 0.2359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

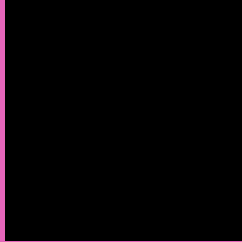
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5105, 0.3664, 0.2359

Background



This preview shows how black text looks on a background with the Yxy color 29.5105, 0.3664, 0.2359.



This preview shows how white text looks on a background with the Yxy color 29.5105, 0.3664, 0.2359.

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

29.5105, 0.3664, 0.2359

Protanopia

29.9360, 0.2356, 0.2249

Deuteranopia

29.7085, 0.2837, 0.2782



Tritanopia

29.4047, 0.4359, 0.3188

Trichromacy



Original Color

29.5105, 0.3664, 0.2359



Protanomaly

28.2007, 0.2724, 0.2242



Deuteranomaly

28.4250, 0.3108, 0.2566



Tritanomaly

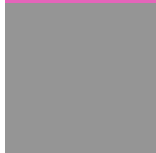
29.2660, 0.4099, 0.2863

Monochromacy



Original Color

29.5105, 0.3664, 0.2359



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.5761, 0.3325, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5105, 0.3664, 0.2359 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(229, 101, 186)` looks like.

```
.text, #text, p{  
    color:rgb(229, 101, 186)  
}
```

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(229, 101, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 101, 186) }
```

Border

The CSS property to change the border of an element to Yxy 29.5105, 0.3664, 0.2359 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(229, 101, 186) }
```

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

```
.border{ border-color:rgb(229, 101, 186) }
```

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

Here you see how a box with a 4 pixel rgb(229, 101, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 101, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 101, 186);  
box-shadow:4px 4px 4px 4px rgb(229, 101,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5105, 0.3664, 0.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 101, 186) }
```

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

```
.background{ background-color: rgb(229,  
101, 186) }
```

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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