

Converting Colors

$Y_{xy}(27.5544, 0.3233, 0.1810)$

Have a look what the booklet for
Yxy(27.5544, 0.3233, 0.1810)
contains.

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Color

Yxy(27.5379, 0.3229, 0.1811)

Conversions

Conversions Part 1

Format	Color
Hex	E64CE3
RGB	230, 76, 227
RGB Percent	90%, 30%, 89%
CMY	0.0978, 0.7023, 0.1097
CMYK	0.00, 0.67, 0.01, 0.10
HSL	301°, 76%, 60%
HSV	301°, 67%, 90%
XYZ	49.0999, 27.5379, 75.4213
YIQ	139.2600, 43.3130, 79.6090

Conversions

Conversions Part 2

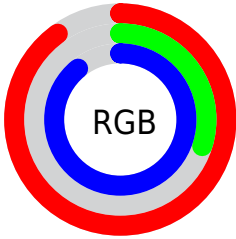
Format	Color
R _{YB}	230, 76, 227
Decimal	15092963
CIE _{Lab}	59.47, 75.89, -46.84
CIE _{LCh}	59, 89.185, 328.317
Yxy	27.5379, 0.3229, 0.1811
Android (android.graphics.Color)	4293283043 (0xFFE64CE3)
YUV	139.2600, 43.2558, 79.5790
Hunter-Lab	52.4766, 75.1801, -48.4802

Details

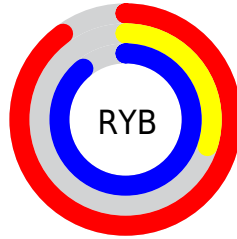
The Yxy color **27.5379, 0.3229, 0.1811** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **58.7245, 0.3016, 0.5416**, and the grayscale version is **25.7321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **11.5982, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **24.8945, 0.3241, 0.1690**, and if you desaturate by 10%, it is **31.3162, 0.3215, 0.1973**.

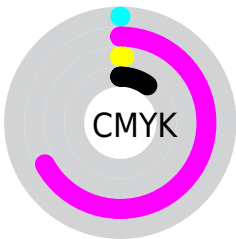
Distribution



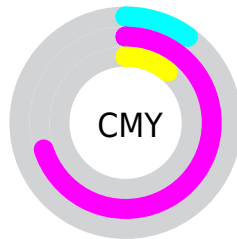
- Red (90%)
- Green (30%)
- Blue (89%)



- Red (90%)
- Yellow (30%)
- Blue (89%)



- Cyan (0%)
- Magenta (67%)
- Yellow (1%)
- Black (10%)





- Cyan (10%)
- Magenta (70%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5379, 0.3229, 0.1811 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 27.5379, 0.3229, 0.1811 by changing the saturation by 10% instead.


 27.5379, 0.3229,
0.1811


 27.5379, 0.3229,
0.1811


290.2522, 0.3214,
0.2497


 17.9776, 0.3222,
0.1659


 55.7458, 0.3231,
0.2046

 10.9339, 0.3209,
0.1476


 75.1623, 0.3230,
0.2139

 6.0224, 0.3181,
0.1254


 98.6329, 0.3228,
0.2219

 2.8587, 0.3128,
0.0982

 126.5420, 0.3225,
0.2288

 1.0584, 0.3023,
0.0657

159.2741, 0.3223,
0.2350

 0.0000, 0.2895,
0.0000

197.2136, 0.3220,


 0.0000, 0.2349,


0.2404


0.0000


240.7448, 0.3217,
0.2453

 0.0000, 0.0000,
0.0000

 27.5379, 0.3229,
0.1811


 27.5379, 0.3229,
0.1811

 24.8945, 0.3241,
0.1690


 31.3162, 0.3215,
0.1973

 23.2549, 0.3250,
0.1613


 36.3343, 0.3200,
0.2170


 22.4559, 0.3258,
0.1576


 42.6893, 0.3185,
0.2392


 22.2985, 0.3260,
0.1569

 50.4675, 0.3168,
0.2631

 59.7484, 0.3153,
0.2878

 70.6051, 0.3137,
0.3123

 83.1065, 0.3123,
0.3360

 94.1027, 0.3112,
0.3537

 94.1282, 0.3109,
0.3533

Harmonies

Analogous

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



27.5379, 0.1999, 0.1458



27.5379, 0.3229, 0.1811



27.5379, 0.4769, 0.2426

Triad

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



27.5379, 0.3229, 0.1811



27.5379, 0.4850, 0.4981



27.5379, 0.1051, 0.2533

Complementary

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



27.5379, 0.3229, 0.1811



58.7245, 0.3016, 0.5416

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.



27.5379, 0.1523, 0.4188



27.5379, 0.3229, 0.1811



27.5379, 0.3695, 0.5904

Square

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



27.5379, 0.3229, 0.1811



27.5379, 0.5688, 0.3997



27.5379, 0.2499, 0.5835



27.5379, 0.1007, 0.1690

Rectangle

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



27.5379, 0.3229, 0.1811



27.5379, 0.5549, 0.2917



27.5379, 0.2499, 0.5835



27.5379, 0.1152, 0.2994

Sweetspot

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



27.5392, 0.3229, 0.1811



71.6013, 0.3157, 0.2801



12.5157, 0.1843, 0.1150



14.6111, 0.3162, 0.2731



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.



27.5392, 0.3229, 0.1811



30.5919, 0.3244, 0.1659



24.2072, 0.4223, 0.2508



14.6101, 0.3141, 0.3063



12.6190, 0.3259, 0.1569



0.9341, 0.3251, 0.1565

Inverse Universe

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



27.5392, 0.3229, 0.1811



30.5919, 0.3244, 0.1659



60.5461, 0.2684, 0.4363



14.6101, 0.3141, 0.3063



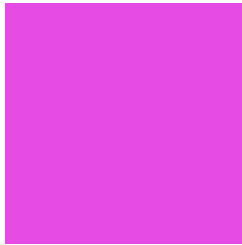
12.6190, 0.3259, 0.1569



0.9341, 0.3251, 0.1565

Previews

White Background



This preview shows how the Yxy color 27.5379, 0.3229, 0.1811 looks on a white background.

Color Contrast Check

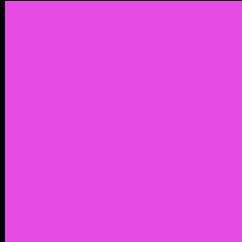
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5379, 0.3229, 0.1811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

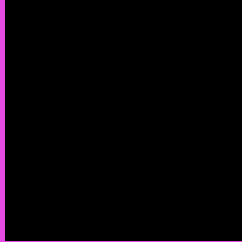
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5379, 0.3229, 0.1811

Background



This preview shows how black text looks on a background with the Yxy color 27.5379, 0.3229, 0.1811.

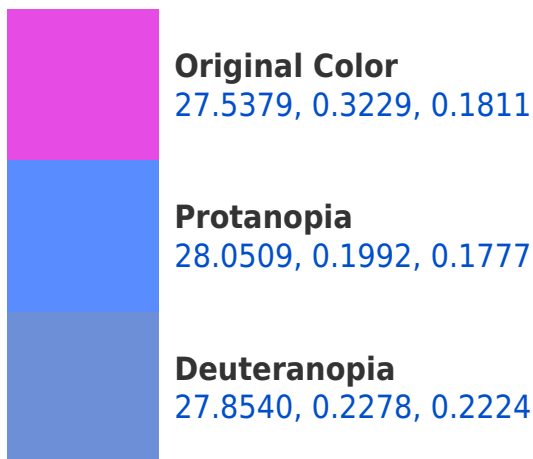


This preview shows how white text looks on a background with the Yxy color 27.5379, 0.3229, 0.1811.

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





Tritanopia

27.3653, 0.4413, 0.3199

Trichromacy



Original Color

27.5379, 0.3229, 0.1811



Protanomaly

24.8906, 0.2275, 0.1682



Deuteranomaly

25.1333, 0.2539, 0.1954



Tritanomaly

26.7336, 0.3957, 0.2602

Monochromacy



Original Color

27.5379, 0.3229, 0.1811



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2017, 0.3175, 0.2511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5379, 0.3229, 0.1811 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(230, 76, 227)` looks like.

```
.text, #text, p{  
    color:rgb(230, 76, 227)  
}
```

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(230, 76, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 76, 227) }
```

Border

The CSS property to change the border of an element to Yxy 27.5379, 0.3229, 0.1811 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(230, 76, 227) }
```

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

```
.border{ border-color:rgb(230, 76, 227) }
```

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

Here you see how a box with a 4 pixel rgb(230, 76, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 76, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 76, 227);  
box-shadow:4px 4px 4px 4px rgb(230, 76,  
227) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.5379, 0.3229, 0.1811$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 76, 227) }
```

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

```
.background{ background-color: rgb(230, 76,  
227) }
```

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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