

Converting Colors

$Y_{xy}(29.7479, 0.3188, 0.1954)$

Have a look what the booklet for
Yxy(29.7479, 0.3188, 0.1954)
contains.

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Color

Yxy(29.7785, 0.3190, 0.1960)

Conversions

Conversions Part 1

Format	Color
Hex	E061E0
RGB	224, 97, 224
RGB Percent	88%, 38%, 88%
CMY	0.1216, 0.6195, 0.1217
CMYK	0.00, 0.57, 0.00, 0.12
HSL	300°, 67%, 63%
HSV	300°, 57%, 88%
XYZ	48.4660, 29.7785, 73.6866
YIQ	149.4510, 34.9250, 66.4210

Conversions

Conversions Part 2

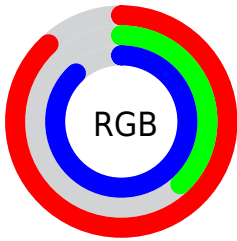
Format	Color
R _Y B	224, 97, 224
Decimal	14705120
CIE Lab	61.46, 65.57, -42.04
CIE LCh	61, 77.884, 327.335
Yxy	29.7785, 0.3190, 0.1960
Android (android.graphics.Color)	4292895200 (0xFFE061E0)
YUV	149.4510, 36.7527, 65.3795
Hunter-Lab	54.5697, 63.0377, -41.8618

Details

The Yxy color **29.7785, 0.3190, 0.1960** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.7198, 0.3041, 0.5112**, and the grayscale version is **30.0880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **12.1959, 0.3175, 0.1653** is the 20% darker color. If you saturate the color by 10%, you get **26.2073, 0.3198, 0.1795**, and if you desaturate by 10%, it is **34.5208, 0.3181, 0.2160**.

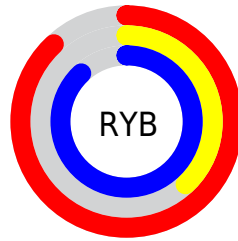
Distribution



Red (88%)

Green (38%)

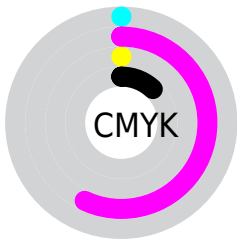
Blue (88%)



Red (88%)

Yellow (38%)

Blue (88%)

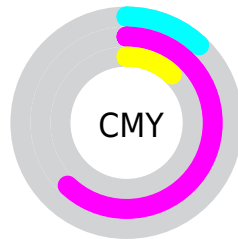


Cyan (0%)

Magenta (57%)

Yellow (0%)

Black (12%)



Cyan (12%)

Magenta (62%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7785, 0.3190, 0.1960 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 29.7785, 0.3190, 0.1960 by changing the saturation by 10% instead.


 29.7785, 0.3190,
0.1960


 29.7785, 0.3190,
0.1960


300.8706, 0.3187,
0.2584


 19.6705, 0.3182,
0.1819


 59.3117, 0.3195,
0.2176


 12.1558, 0.3168,
0.1648


 79.5057, 0.3196,
0.2260

 6.8499, 0.3142,
0.1436


 103.8306, 0.3195,
0.2333

 3.3684, 0.3094,
0.1171

 132.6706, 0.3194,
0.2396

 1.3269, 0.2999,
0.0841

166.4102, 0.3192,
0.2451

 0.1619, 0.2872,
0.0219


205.4338, 0.3191,

 0.0000, 0.2377,

0.2501


0.0000


250.1258, 0.3189,
0.2544


 0.0000, 0.0000,
0.0000


 29.7785, 0.3190,
0.1960


 29.7785, 0.3190,
0.1960

 26.2073, 0.3198,
0.1795


 34.5208, 0.3181,
0.2160


 23.7020, 0.3204,
0.1672


 40.5197, 0.3170,
0.2386


 22.1456, 0.3208,
0.1591


 47.8573, 0.3158,
0.2628


 21.3870, 0.3210,
0.1551

 56.6075, 0.3147,
0.2878


 21.2259, 0.3210,
0.1542

 66.8390, 0.3135,
0.3127

 78.6159, 0.3123,
0.3369

 91.9986, 0.3113,
0.3598

 92.7509, 0.3112,
0.3610

 92.7513, 0.3112,
0.3610

Harmonies

Analogous

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



29.7785, 0.2115, 0.1640



29.7785, 0.3190, 0.1960



29.7785, 0.4498, 0.2524

Triad

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



29.7785, 0.3190, 0.1960



29.7785, 0.4763, 0.4852



29.7785, 0.1283, 0.2708

Complementary

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



29.7785, 0.3190, 0.1960



56.7198, 0.3041, 0.5112

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.



29.7785, 0.1764, 0.4113



29.7785, 0.3190, 0.1960



29.7785, 0.3762, 0.5560

Square

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



29.7785, 0.3190, 0.1960



29.7785, 0.5426, 0.4000



29.7785, 0.2676, 0.5424



29.7785, 0.1211, 0.1907

Rectangle

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



29.7785, 0.3190, 0.1960



29.7785, 0.5184, 0.2984



29.7785, 0.2676, 0.5424



29.7785, 0.1392, 0.3118

Sweetspot

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



29.7798, 0.3190, 0.1960



75.3912, 0.3147, 0.2867



16.4764, 0.2030, 0.1476



15.5984, 0.3149, 0.2817



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.



29.7798, 0.3190, 0.1960



34.4507, 0.3199, 0.1770



26.9561, 0.3948, 0.2570



13.9356, 0.3138, 0.3059



12.3546, 0.3210, 0.1542



0.8564, 0.3210, 0.1542

Inverse Universe

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



29.7798, 0.3190, 0.1960



34.4507, 0.3199, 0.1770



58.4116, 0.2729, 0.4198



13.9356, 0.3138, 0.3059



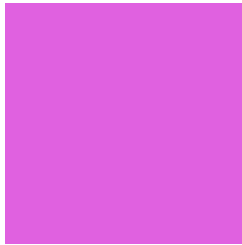
12.3546, 0.3210, 0.1542



0.8564, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 29.7785, 0.3190, 0.1960 looks on a white background.

Color Contrast Check

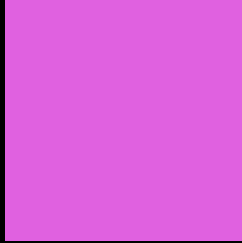
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7785, 0.3190, 0.1960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

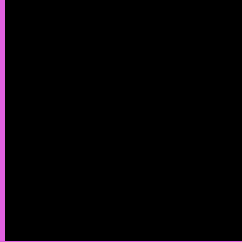
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7785, 0.3190, 0.1960

Background



This preview shows how black text looks on a background with the Yxy color 29.7785, 0.3190, 0.1960.

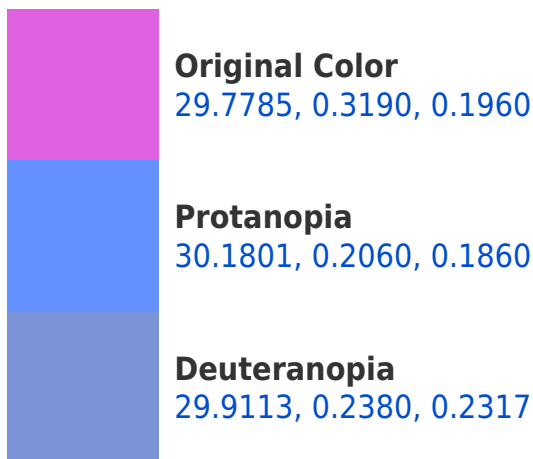


This preview shows how white text looks on a background with the Yxy color 29.7785, 0.3190, 0.1960.

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

29.7039, 0.4123, 0.3181

Trichromacy



Original Color

29.7785, 0.3190, 0.1960



Protanomaly

27.9897, 0.2338, 0.1832



Deuteranomaly

28.1334, 0.2619, 0.2117



Tritanomaly

29.2786, 0.3767, 0.2670

Monochromacy



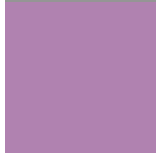
Original Color

29.7785, 0.3190, 0.1960



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.3300, 0.3157, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7785, 0.3190, 0.1960 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, 97, 224)` looks like.

```
.text, #text, p{  
    color:rgb(224, 97, 224)  
}
```

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, 97, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 97, 224) }
```

Border

The CSS property to change the border of an element to Yxy 29.7785, 0.3190, 0.1960 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, 97, 224) }
```

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

```
.border{ border-color:rgb(224, 97, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 97, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 97, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 97, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 97,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7785, 0.3190, 0.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 97, 224) }
```

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

```
.background{ background-color: rgb(224, 97,  
224) }
```

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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