

Converting Colors

$Y_{xy}(29.9787, 0.4142, 0.3065)$

Have a look what the booklet for
Yxy(29.9787, 0.4142, 0.3065)
contains.

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Color

Yxy(29.9787, 0.4142, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	DC7689
RGB	220, 118, 137
RGB Percent	86%, 46%, 54%
CMY	0.1372, 0.5373, 0.4627
CMYK	0.00, 0.46, 0.38, 0.14
HSL	349°, 59%, 66%
HSV	349°, 46%, 86%
XYZ	40.5128, 29.9787, 27.3183
YIQ	150.6640, 54.6930, 27.5330

Conversions

Conversions Part 2

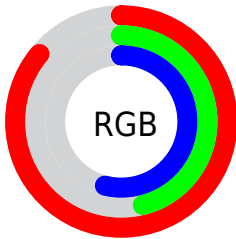
Format	Color
R _{YB}	220, 118, 137
Decimal	14448265
CIE _{Lab}	61.64, 41.65, 7.71
CIE _{LCh}	62, 42.360, 10.490
Yxy	29.9787, 0.4142, 0.3065
Android (android.graphics.Color)	4292638345 (0xFFDC7689)
YUV	150.6640, -6.7364, 60.8077
Hunter-Lab	54.7528, 36.2587, 8.7449

Details

The Yxy color **29.9787, 0.4142, 0.3065** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **59.2640, 0.2607, 0.3543**, and the grayscale version is **30.8086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4828, 0.3719, 0.3103**, and **12.2659, 0.4503, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **24.9171, 0.4501, 0.3028**, and if you desaturate by 10%, it is **36.3369, 0.3837, 0.3112**.

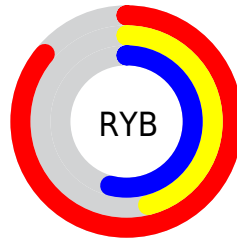
Distribution



Red (86%)

Green (46%)

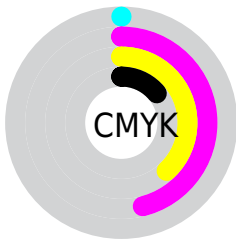
Blue (54%)



Red (86%)

Yellow (46%)

Blue (54%)

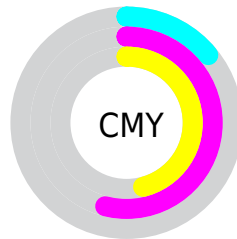


Cyan (0%)

Magenta (46%)

Yellow (38%)

Black (14%)



Cyan (14%)


Magenta (54%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9787, 0.4142, 0.3065 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 29.9787, 0.4142, 0.3065 by changing the saturation by 10% instead.


 29.9787, 0.4142,
0.3065


 29.9787, 0.4142,
0.3065


301.8052, 0.3594,
0.3196


 19.8224, 0.4292,
0.3025


 59.6285, 0.3933,
0.3118

 12.2660, 0.4493,
0.2969


 79.8908, 0.3858,
0.3136

 6.9251, 0.4775,
0.2887


 104.2906, 0.3795,
0.3151

 3.4153, 0.5195,
0.2754

133.2122, 0.3742,
0.3163

 1.3522, 0.5878,
0.2516

167.0401, 0.3697,
0.3173

 0.1811, 0.8725,
0.1275

206.1586, 0.3658,

 0.0000, 1.0000,

0.3182


0.0000

250.9522, 0.3624,
0.3190


 0.0000, 0.0000,
0.0000

 29.9787, 0.4142,
0.3065


 29.9787, 0.4142,
0.3065


 24.9171, 0.4501,
0.3028

 36.3369, 0.3837,
0.3112


 21.0582, 0.4904,
0.3008


 44.0681, 0.3586,
0.3163

 18.3024, 0.5325,
0.3015


 53.2482, 0.3381,
0.3213


 16.5324, 0.5721,
0.3056

 63.9462, 0.3216,
0.3261

 15.6008, 0.6039,
0.3127

 76.2265, 0.3082,
0.3306

 15.3783, 0.6133,
0.3152

 90.1500, 0.2974,
0.3347

 93.9583, 0.2917,
0.3289

Harmonies

Analogous

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



29.9787, 0.3503, 0.2628



29.9787, 0.4142, 0.3065



29.9787, 0.4475, 0.3574

Triad

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



29.9787, 0.4142, 0.3065



29.9787, 0.3323, 0.4522



29.9787, 0.1980, 0.2371

Complementary

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



29.9787, 0.4142, 0.3065



59.2640, 0.2607, 0.3543

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.



29.9787, 0.1944, 0.2771



29.9787, 0.4142, 0.3065



29.9787, 0.2674, 0.4119

Square

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



29.9787, 0.4142, 0.3065



29.9787, 0.3953, 0.4460



29.9787, 0.2180, 0.3418



29.9787, 0.2276, 0.2236

Rectangle

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



29.9787, 0.4142, 0.3065



29.9787, 0.4462, 0.3916



29.9787, 0.2180, 0.3418



29.9787, 0.1938, 0.2474

Sweetspot

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



29.9802, 0.4142, 0.3065



77.5680, 0.3341, 0.3224



30.3500, 0.2978, 0.2096



15.9454, 0.3380, 0.3213



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.



29.9802, 0.4142, 0.3065



34.7508, 0.4504, 0.3027



37.8953, 0.4199, 0.3660



13.0910, 0.3262, 0.3247



9.0358, 0.6101, 0.3134



0.5973, 0.5660, 0.2892

Inverse Universe

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



29.9802, 0.4142, 0.3065



34.7508, 0.4504, 0.3027



45.5914, 0.2436, 0.2872



13.0910, 0.3262, 0.3247



9.0358, 0.6101, 0.3134



0.5973, 0.5660, 0.2892

Previews

White Background



This preview shows how the Yxy color 29.9787, 0.4142, 0.3065 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 29.9787, 0.4142, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

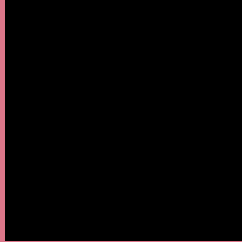
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9787, 0.4142, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 29.9787, 0.4142, 0.3065.



This preview shows how white text looks on a background with the Yxy color 29.9787, 0.4142, 0.3065.

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

29.9787, 0.4142, 0.3065

Protanopia

30.4073, 0.3100, 0.3213

Deuteranopia

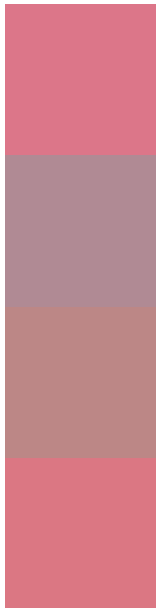
30.1860, 0.3524, 0.3455



Tritanopia

30.0515, 0.4237, 0.3197

Trichromacy



Original Color

29.9787, 0.4142, 0.3065

Protanomaly

29.5452, 0.3444, 0.3146

Deuteranomaly

29.7405, 0.3747, 0.3306

Tritanomaly

29.8924, 0.4203, 0.3149

Monochromacy



Original Color

29.9787, 0.4142, 0.3065

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.7707, 0.3463, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9787, 0.4142, 0.3065 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(220, 118, 137)` looks like.

```
.text, #text, p{  
    color:rgb(220, 118, 137)  
}
```

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(220, 118, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 118, 137) }
```

Border

The CSS property to change the border of an element to Yxy 29.9787, 0.4142, 0.3065 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(220, 118, 137) }
```

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

```
.border{ border-color:rgb(220, 118, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 118, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 118, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 118, 137);  
box-shadow:4px 4px 4px 4px rgb(220, 118,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9787, 0.4142, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 118, 137) }
```

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

```
.background{ background-color: rgb(220,  
118, 137) }
```

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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