

Converting Colors

$Y_{xy}(24.7178, 0.3366, 0.2060)$

Have a look what the booklet for
Yxy(24.7178, 0.3366, 0.2060)
contains.

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Color

Yxy(24.7990, 0.3371, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	D457C4
RGB	212, 87, 196
RGB Percent	83%, 34%, 77%
CMY	0.1687, 0.6588, 0.2313
CMYK	0.00, 0.59, 0.08, 0.17
HSL	308°, 59%, 59%
HSV	308°, 59%, 83%
XYZ	40.5223, 24.7990, 54.8872
YIQ	136.8010, 39.5110, 60.3990

Conversions

Conversions Part 2

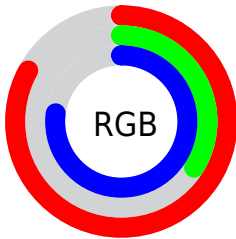
Format	Color
RYP	212, 87, 196
Decimal	13916100
CIELab	56.88, 62.18, -33.52
CIElCh	57, 70.643, 331.674
Yxy	24.7990, 0.3371, 0.2063
Android (android.graphics.Color)	4292106180 (0xFFD457C4)
YUV	136.8010, 29.1851, 65.9495
Hunter-Lab	49.7986, 58.1020, -30.4894

Details

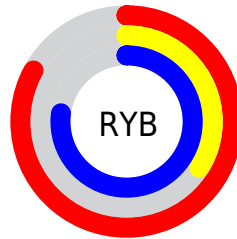
The Yxy color **24.7990, 0.3371, 0.2063** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **50.0864, 0.2965, 0.4963**, and the grayscale version is **24.8161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9968, 0.3194, 0.2229**, and **9.4358, 0.3404, 0.1735** is the 20% darker color. If you saturate the color by 10%, you get **21.7342, 0.3421, 0.1919**, and if you desaturate by 10%, it is **28.8760, 0.3322, 0.2241**.

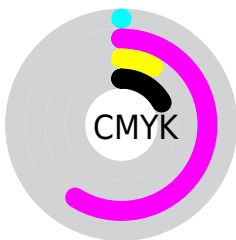
Distribution



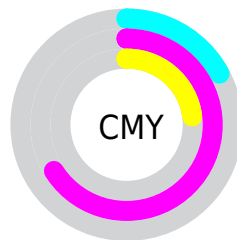
- Red (83%)
- Green (34%)
- Blue (77%)



- Red (83%)
- Yellow (34%)
- Blue (77%)



- Cyan (0%)
- Magenta (59%)
- Yellow (8%)
- Black (17%)





- Cyan (17%)
- Magenta (66%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7990, 0.3371, 0.2063 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 24.7990, 0.3371, 0.2063 by changing the saturation by 10% instead.


 24.7990, 0.3371,
0.2063


 24.7990, 0.3371,
0.2063


276.8355, 0.3267,
0.2664


 15.9274, 0.3391,
0.1920


 51.3310, 0.3338,
0.2277


 9.4728, 0.3411,
0.1741


 69.7601, 0.3324,
0.2359

 5.0508, 0.3432,
0.1513


 92.1438, 0.3312,
0.2429

 2.2771, 0.3445,
0.1217

 118.8665, 0.3301,
0.2489

 0.7616, 0.3433,
0.0827

150.3127, 0.3291,
0.2541

 0.0000, 0.3449,
0.0000

186.8666, 0.3282,


 0.0000, 0.1528,


0.2587

0.0000

228.9127, 0.3274,
0.2628


 0.0000, 0.0000,
0.0000

 24.7990, 0.3371,
0.2063


 24.7990, 0.3371,
0.2063


 21.7342, 0.3421,
0.1919


 28.8760, 0.3322,
0.2241


 19.5869, 0.3470,
0.1815


 34.0418, 0.3275,
0.2442


 18.2510, 0.3516,
0.1757

 40.3695, 0.3231,
0.2658

 17.5540, 0.3559,
0.1738

 47.9251, 0.3191,
0.2880

 17.4939, 0.3564,
0.1737

 56.7696, 0.3155,
0.3099

■ 66.9597, 0.3124,
0.3312

■ 78.5490, 0.3097,
0.3513

■ 90.5608, 0.3074,
0.3686

■ 90.7035, 0.3059,
0.3656

Harmonies

Analogous

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



24.7990, 0.2272, 0.1710



24.7990, 0.3371, 0.2063



24.7990, 0.4617, 0.2644

Triad

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



24.7990, 0.3371, 0.2063



24.7990, 0.4605, 0.4942



24.7990, 0.1299, 0.2585

Complementary

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



24.7990, 0.3371, 0.2063



50.0864, 0.2965, 0.4963

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.



24.7990, 0.1712, 0.3867



24.7990, 0.3371, 0.2063



24.7990, 0.3609, 0.5536

Square

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



24.7990, 0.3371, 0.2063



24.7990, 0.5305, 0.4117



24.7990, 0.2555, 0.5209



24.7990, 0.1275, 0.1882

Rectangle

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



24.7990, 0.3371, 0.2063



24.7990, 0.5214, 0.3104



24.7990, 0.2555, 0.5209



24.7990, 0.1388, 0.2952

Sweetspot

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



24.8002, 0.3371, 0.2063



73.7580, 0.3188, 0.2897



14.3725, 0.2092, 0.1451



15.0128, 0.3200, 0.2831



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.



24.8002, 0.3371, 0.2063



31.9696, 0.3435, 0.1886



22.5607, 0.4213, 0.2722



12.6041, 0.3157, 0.3089



10.8117, 0.3558, 0.1734



0.6599, 0.3489, 0.1696

Inverse Universe

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



24.8002, 0.3371, 0.2063



31.9696, 0.3435, 0.1886



51.7908, 0.2643, 0.4005



12.6041, 0.3157, 0.3089



10.8117, 0.3558, 0.1734



0.6599, 0.3489, 0.1696

Previews

White Background



This preview shows how the Yxy color 24.7990, 0.3371, 0.2063 looks on a white background.

Color Contrast Check

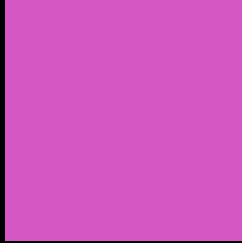
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7990, 0.3371, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

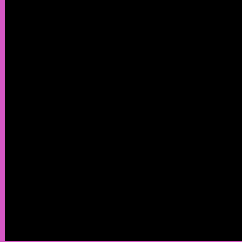
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7990, 0.3371, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 24.7990, 0.3371, 0.2063.



This preview shows how white text looks on a background with the Yxy color 24.7990, 0.3371, 0.2063.

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

24.7990, 0.3371, 0.2063

Protanopia

25.3816, 0.2061, 0.1863

Deuteranopia

25.0237, 0.2520, 0.2460



Tritanopia

24.6826, 0.4284, 0.3190

Trichromacy



Original Color

24.7990, 0.3371, 0.2063



Protanomaly

23.1773, 0.2383, 0.1868



Deuteranomaly

23.5885, 0.2779, 0.2244



Tritanomaly

24.2805, 0.3945, 0.2727

Monochromacy



Original Color

24.7990, 0.3371, 0.2063



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.5548, 0.3226, 0.2706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7990, 0.3371, 0.2063 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(212, 87, 196)` looks like.

```
.text, #text, p{  
    color:rgb(212, 87, 196)  
}
```

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(212, 87, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 87, 196) }
```

Border

The CSS property to change the border of an element to Yxy 24.7990, 0.3371, 0.2063 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(212, 87, 196) }
```

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

```
.border{ border-color:rgb(212, 87, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 87, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 87, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 87, 196);  
box-shadow:4px 4px 4px 4px rgb(212, 87,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7990, 0.3371, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 87, 196) }
```

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

```
.background{ background-color: rgb(212, 87,  
196) }
```

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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