

Converting Colors

$Y_{xy}(26.6532, 0.3072, 0.1772)$

Have a look what the booklet for
Yxy(26.6532, 0.3072, 0.1772)
contains.

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Color

Yxy(26.6532, 0.3072, 0.1772)

Conversions

Conversions Part 1

Format	Color
Hex	DA52E6
RGB	218, 82, 230
RGB Percent	85%, 32%, 90%
CMY	0.1452, 0.6783, 0.0981
CMYK	0.05, 0.64, 0.00, 0.10
HSL	295°, 75%, 61%
HSV	295°, 64%, 90%
XYZ	46.2069, 26.6532, 77.5530
YIQ	139.5360, 33.5480, 74.8600

Conversions

Conversions Part 2

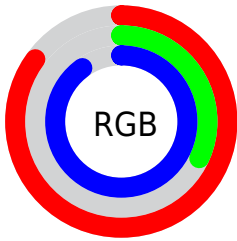
Format	Color
R _{YB}	218, 82, 230
Decimal	14308070
CIE Lab	58.65, 71.38, -49.90
CIE LCh	59, 87.090, 325.041
Yxy	26.6532, 0.3072, 0.1772
Android (android.graphics.Color)	4292498150 (0xFFDA52E6)
YUV	139.5360, 44.5988, 68.8129
Hunter-Lab	51.6267, 69.4141, -52.9259

Details

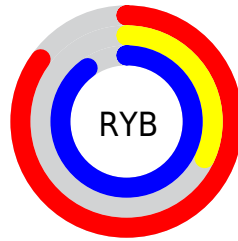
The Yxy color **26.6532, 0.3072, 0.1772** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **59.5701, 0.3083, 0.5334**, and the grayscale version is **25.8556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2362, 0.3179, 0.2187**, and **10.4269, 0.2994, 0.1423** is the 20% darker color. If you saturate the color by 10%, you get **23.4607, 0.3055, 0.1621**, and if you desaturate by 10%, it is **31.0131, 0.3087, 0.1962**.

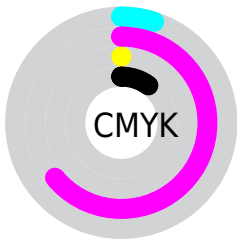
Distribution



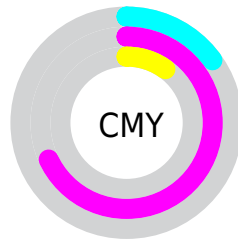
- Red (85%)
- Green (32%)
- Blue (90%)



- Red (85%)
- Yellow (32%)
- Blue (90%)



- Cyan (5%)
- Magenta (64%)
- Yellow (0%)
- Black (10%)





- Cyan (15%)
- Magenta (68%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6532, 0.3072, 0.1772 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 26.6532, 0.3072, 0.1772 by changing the saturation by 10% instead.


 26.6532, 0.3072,
0.1772


 26.6532, 0.3072,
0.1772


285.9740, 0.3139,
0.2477


 17.3129, 0.3045,
0.1616


 54.3269, 0.3105,
0.2014


 10.4579, 0.3004,
0.1429


 73.4290, 0.3114,
0.2109

 5.7036, 0.2942,
0.1201


 96.5540, 0.3122,
0.2191

 2.6657, 0.2841,
0.0926

 124.0861, 0.3127,
0.2263

 0.9598, 0.2670,
0.0601

156.4098, 0.3131,
0.2326

 0.0000, 0.2426,
0.0000

193.9094, 0.3134,


 0.0000, 0.1717,


0.2382

0.0000


236.9693, 0.3137,
0.2432


 0.0000, 0.0000,
0.0000

 26.6532, 0.3072,
0.1772


 26.6532, 0.3072,
0.1772


 23.4607, 0.3055,
0.1621


 31.0131, 0.3087,
0.1962


 21.3106, 0.3035,
0.1514


 36.6416, 0.3100,
0.2183


 20.0561, 0.3015,
0.1451


 43.6329, 0.3110,
0.2425


 19.6103, 0.3003,
0.1428

 52.0711, 0.3118,
0.2679

 62.0339, 0.3123,
0.2934

 73.5932, 0.3126,
0.3185

 86.8164, 0.3128,
0.3424

 94.5378, 0.3133,
0.3543

 94.8529, 0.3145,
0.3542

Harmonies

Analogous

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



26.6532, 0.1911, 0.1452



26.6532, 0.3072, 0.1772



26.6532, 0.4592, 0.2360

Triad

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



26.6532, 0.3072, 0.1772



26.6532, 0.4954, 0.4863



26.6532, 0.1097, 0.2683

Complementary

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



26.6532, 0.3072, 0.1772



59.5701, 0.3083, 0.5334

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.



26.6532, 0.1625, 0.4388



26.6532, 0.3072, 0.1772



26.6532, 0.3830, 0.5804

Square

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



26.6532, 0.3072, 0.1772



26.6532, 0.5720, 0.3905



26.6532, 0.2638, 0.5890



26.6532, 0.1012, 0.1766

Rectangle

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



26.6532, 0.3072, 0.1772



26.6532, 0.5423, 0.2843



26.6532, 0.2638, 0.5890



26.6532, 0.1215, 0.3173

Sweetspot

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



26.6544, 0.3072, 0.1772



72.1507, 0.3121, 0.2813



15.5770, 0.1911, 0.1365



14.6828, 0.3119, 0.2739



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.



26.6544, 0.3072, 0.1772



28.6778, 0.3049, 0.1583



25.6980, 0.3945, 0.2372



14.5527, 0.3125, 0.3058



11.1305, 0.3007, 0.1430



0.8402, 0.3038, 0.1447

Inverse Universe

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



23.6670, 0.5055, 0.3176



24.8541, 0.5650, 0.3188



60.3785, 0.2763, 0.4535



14.3869, 0.3280, 0.3271



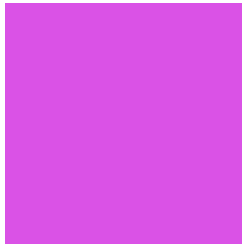
9.5572, 0.6309, 0.3249



0.7129, 0.6077, 0.3121

Previews

White Background



This preview shows how the Yxy color 26.6532, 0.3072, 0.1772 looks on a white background.

Color Contrast Check

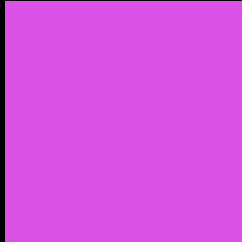
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6532, 0.3072, 0.1772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

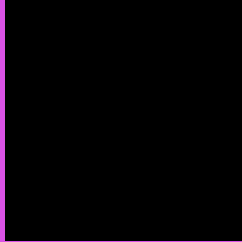
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.6532, 0.3072, 0.1772

Background



This preview shows how black text looks on a background with the Yxy color 26.6532, 0.3072, 0.1772.

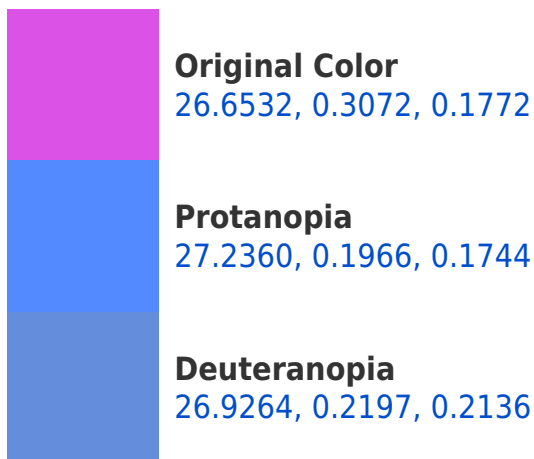


This preview shows how white text looks on a background with the Yxy color 26.6532, 0.3072, 0.1772.

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

26.4438, 0.4178, 0.3177

Trichromacy



Original Color

26.6532, 0.3072, 0.1772



Protanomaly

24.5162, 0.2214, 0.1664



Deuteranomaly

24.6544, 0.2427, 0.1900



Tritanomaly

25.8130, 0.3754, 0.2560

Monochromacy



Original Color

26.6532, 0.3072, 0.1772



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.5356, 0.3107, 0.2517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6532, 0.3072, 0.1772 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(218, 82, 230)` looks like.

```
.text, #text, p{  
    color:rgb(218, 82, 230)  
}
```

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(218, 82, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 82, 230) }
```

Border

The CSS property to change the border of an element to Yxy 26.6532, 0.3072, 0.1772 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(218, 82, 230) }
```

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

```
.border{ border-color:rgb(218, 82, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 82, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 82, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 82, 230);  
box-shadow:4px 4px 4px 4px rgb(218, 82,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6532, 0.3072, 0.1772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 82, 230) }
```

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

```
.background{ background-color: rgb(218, 82,  
230) }
```

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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