

Converting Colors

$Y_{xy}(23.6853, 0.2996, 0.1621)$

Have a look what the booklet for
Yxy(23.6853, 0.2996, 0.1621)
contains.

Yxy(23.7529, 0.3001, 0.1624)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.7529, 0.3001, 0.1624)

Conversions

Conversions Part 1

Format	Color
Hex	D541E8
RGB	213, 65, 232
RGB Percent	84%, 25%, 91%
CMY	0.1648, 0.7450, 0.0902
CMYK	0.08, 0.72, 0.00, 0.09
HSL	293°, 78%, 58%
HSV	293°, 72%, 91%
XYZ	43.8931, 23.7529, 78.6157
YIQ	128.2900, 34.6010, 83.3130

Conversions

Conversions Part 2

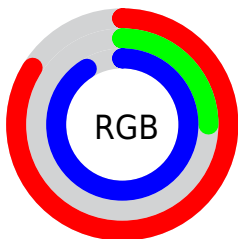
Format	Color
R _Y B	213, 65, 232
Decimal	13976040
CIE Lab	55.84, 76.82, -55.56
CIE LCh	56, 94.810, 324.124
Yxy	23.7529, 0.3001, 0.1624
Android (android.graphics.Color)	4292166120 (0xFFD541E8)
YUV	128.2900, 51.1290, 74.2907
Hunter-Lab	48.7369, 75.4698, -61.5225

Details

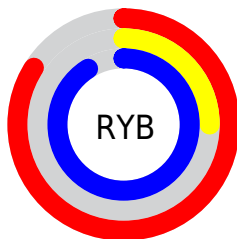
The Yxy color **23.7529, 0.3001, 0.1624** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **59.9824, 0.3091, 0.5540**, and the grayscale version is **21.5063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4017, 0.3184, 0.2070**, and **9.9652, 0.2909, 0.1376** is the 20% darker color. If you saturate the color by 10%, you get **21.2221, 0.2973, 0.1500**, and if you desaturate by 10%, it is **27.3852, 0.3028, 0.1792**.

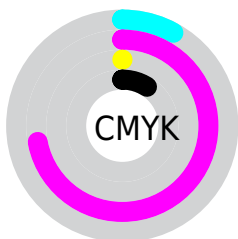
Distribution



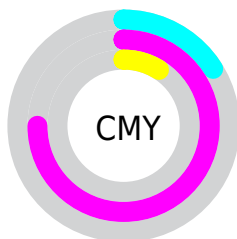
- Red (84%)
- Green (25%)
- Blue (91%)



- Red (84%)
- Yellow (25%)
- Blue (91%)



- Cyan (8%)
- Magenta (72%)
- Yellow (0%)
- Black (9%)





- Cyan (16%)
- Magenta (75%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7529, 0.3001, 0.1624 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 23.7529, 0.3001, 0.1624 by changing the saturation by 10% instead.


 23.7529, 0.3001,
0.1624

 23.7529, 0.3001,
0.1624


271.5688, 0.3113,
0.2394


 15.1504, 0.2960,
0.1457


 49.6267, 0.3052,
0.1886


 8.9250, 0.2901,
0.1258


 67.6667, 0.3068,
0.1990

 4.6923, 0.2813,
0.1021


 89.6215, 0.3080,
0.2080

 2.0679, 0.2676,
0.0742

 115.8753, 0.3090,
0.2158

 0.6465, 0.2456,
0.0418

 146.8125, 0.3098,
0.2228

 0.0000, 0.2103,
0.0000

182.8176, 0.3104,


 0.0000, 0.1226,


0.2289


0.0000


224.2749, 0.3109,
0.2344


 0.0000, 0.0000,
0.0000


 23.7529, 0.3001,
0.1624


 23.7529, 0.3001,
0.1624


 21.2221, 0.2973,
0.1500


 27.3852, 0.3028,
0.1792


 19.6463, 0.2943,
0.1420


 32.2355, 0.3052,
0.1996


 18.8883, 0.2919,
0.1382

 38.4084, 0.3073,
0.2229


 45.9968, 0.3091,
0.2479

 55.0851, 0.3106,
0.2737

 65.7510, 0.3117,
0.2993

 78.0669, 0.3126,
0.3242

 92.1005, 0.3132,
0.3479

 95.3102, 0.3146,
0.3520

Harmonies

Analogous

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



23.7529, 0.1760, 0.1300



23.7529, 0.3001, 0.1624



23.7529, 0.4715, 0.2234

Triad

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



23.7529, 0.3001, 0.1624



23.7529, 0.5090, 0.4882



23.7529, 0.0931, 0.2618

Complementary

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



23.7529, 0.3001, 0.1624



59.9824, 0.3091, 0.5540

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.



23.7529, 0.1472, 0.4604



23.7529, 0.3001, 0.1624



23.7529, 0.3822, 0.6006

Square

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



23.7529, 0.3001, 0.1624



23.7529, 0.5954, 0.3818



23.7529, 0.2547, 0.6303



23.7529, 0.0853, 0.1624

Rectangle

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



23.7529, 0.3001, 0.1624



23.7529, 0.5667, 0.2733



23.7529, 0.2547, 0.6303



23.7529, 0.1049, 0.3174

Sweetspot

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



23.7539, 0.3001, 0.1624



68.0893, 0.3106, 0.2733



13.3704, 0.1795, 0.1202



13.8778, 0.3102, 0.2662



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.



23.7539, 0.3001, 0.1624



25.2912, 0.2959, 0.1459



23.7664, 0.4007, 0.2255



14.5275, 0.3120, 0.3057



10.5212, 0.2924, 0.1385



0.8013, 0.2968, 0.1409

Inverse Universe

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



21.5802, 0.5331, 0.3129



22.8371, 0.5925, 0.3169



60.4243, 0.2777, 0.4795



14.3945, 0.3275, 0.3264



9.5759, 0.6259, 0.3221



0.7165, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 23.7529, 0.3001, 0.1624 looks on a white background.

Color Contrast Check

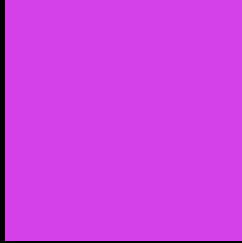
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7529, 0.3001, 0.1624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

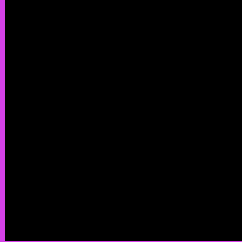
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7529, 0.3001, 0.1624

Background



This preview shows how black text looks on a background with the Yxy color 23.7529, 0.3001, 0.1624.



This preview shows how white text looks on a background with the Yxy color 23.7529, 0.3001, 0.1624.

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

23.7529, 0.3001, 0.1624

Protanopia

24.2420, 0.1871, 0.1615

Deuteranopia

24.2107, 0.2063, 0.2002



Tritanopia

23.5287, 0.4265, 0.3188

Trichromacy



Original Color

23.7529, 0.3001, 0.1624



Protanomaly

20.8750, 0.2090, 0.1483



Deuteranomaly

21.1773, 0.2280, 0.1720



Tritanomaly

22.6130, 0.3765, 0.2471

Monochromacy



Original Color

23.7529, 0.3001, 0.1624



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.2273, 0.3084, 0.2378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7529, 0.3001, 0.1624 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(213, 65, 232)` looks like.

```
.text, #text, p{  
    color:rgb(213, 65, 232)  
}
```

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(213, 65, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 65, 232) }
```

Border

The CSS property to change the border of an element to Yxy 23.7529, 0.3001, 0.1624 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(213, 65, 232) }
```

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

```
.border{ border-color:rgb(213, 65, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 65, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 65, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 65, 232); box-shadow:4px 4px 4px 4px rgb(213, 65, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7529, 0.3001, 0.1624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 65, 232) }
```

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

```
.background{ background-color: rgb(213, 65,  
232) }
```

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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