

Converting Colors

$Y_{xy}(23.6781, 0.3434, 0.2030)$

Have a look what the booklet for
Yxy(23.6781, 0.3434, 0.2030)
contains.

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Color

Yxy(23.7384, 0.3437, 0.2032)

Conversions

Conversions Part 1

Format	Color
Hex	D64FC1
RGB	214, 79, 193
RGB Percent	84%, 31%, 76%
CMY	0.1608, 0.6901, 0.2430
CMYK	0.00, 0.63, 0.10, 0.16
HSL	309°, 62%, 57%
HSV	309°, 63%, 84%
XYZ	40.1520, 23.7384, 52.9324
YIQ	132.3610, 43.8660, 64.0740

Conversions

Conversions Part 2

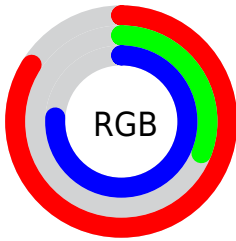
Format	Color
R _{YB}	214, 79, 193
Decimal	14045121
CIE Lab	55.82, 65.58, -33.42
CIE LCh	56, 73.605, 332.993
Yxy	23.7384, 0.3437, 0.2032
Android (android.graphics.Color)	4292235201 (0xFFD64FC1)
YUV	132.3610, 29.8950, 71.5974
Hunter-Lab	48.7221, 61.8388, -30.3081

Details

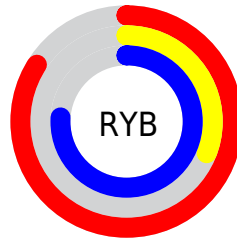
The Yxy color **23.7384, 0.3437, 0.2032** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **50.6682, 0.2942, 0.5041**, and the grayscale version is **23.0921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7704, 0.3223, 0.2192**, and **8.9320, 0.3500, 0.1702** is the 20% darker color. If you saturate the color by 10%, you get **20.9863, 0.3497, 0.1907**, and if you desaturate by 10%, it is **27.4893, 0.3377, 0.2193**.

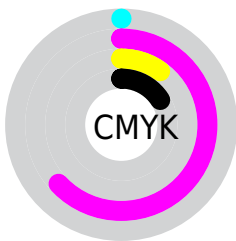
Distribution



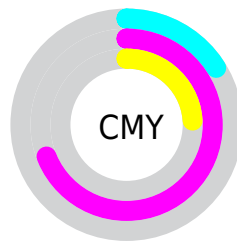
- Red (84%)
- Green (31%)
- Blue (76%)



- Red (84%)
- Yellow (31%)
- Blue (76%)



- Cyan (0%)
- Magenta (63%)
- Yellow (10%)
- Black (16%)




- Cyan (16%)
- Magenta (69%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7384, 0.3437, 0.2032 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 23.7384, 0.3437, 0.2032 by changing the saturation by 10% instead.


 23.7384, 0.3437,
0.2032


 23.7384, 0.3437,
0.2032

271.4952, 0.3298,
0.2650


 15.1397, 0.3465,
0.1884


 49.6030, 0.3391,
0.2252


 8.9175, 0.3498,
0.1700


 67.6376, 0.3372,
0.2336


 4.6874, 0.3533,
0.1465


 89.5863, 0.3356,
0.2408

 2.0650, 0.3566,
0.1162

 115.8336, 0.3342,
0.2470

 0.6449, 0.3589,
0.0748

 146.7637, 0.3329,
0.2524

 0.0000, 0.3621,
0.0000

182.7611, 0.3318,

 0.0000, 0.1483,

0.2571


0.0000


224.2101, 0.3307,
0.2613


 0.0000, 0.0000,
0.0000


 23.7384, 0.3437,
0.2032


 23.7384, 0.3437,
0.2032


 20.9863, 0.3497,
0.1907


 27.4893, 0.3377,
0.2193


 19.1303, 0.3556,
0.1826


 32.3218, 0.3320,
0.2382

 18.0517, 0.3613,
0.1789

 38.3139, 0.3267,
0.2588

 17.6201, 0.3650,
0.1784

 45.5353, 0.3219,
0.2803

 54.0505, 0.3176,
0.3018

■ 63.9192, 0.3138,
0.3227

■ 75.1976, 0.3105,
0.3427

■ 87.9385, 0.3077,
0.3615

■ 91.1380, 0.3057,
0.3627

Harmonies

Analogous

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



23.7384, 0.2270, 0.1657



23.7384, 0.3437, 0.2032



23.7384, 0.4750, 0.2637

Triad

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



23.7384, 0.3437, 0.2032



23.7384, 0.4604, 0.5029



23.7384, 0.1215, 0.2492

Complementary

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



23.7384, 0.3437, 0.2032



50.6682, 0.2942, 0.5041

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.



23.7384, 0.1612, 0.3824



23.7384, 0.3437, 0.2032



23.7384, 0.3554, 0.5668

Square

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



23.7384, 0.3437, 0.2032



23.7384, 0.5373, 0.4156



23.7384, 0.2463, 0.5293



23.7384, 0.1211, 0.1795

Rectangle

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



23.7384, 0.3437, 0.2032



23.7384, 0.5355, 0.3111



23.7384, 0.2463, 0.5293



23.7384, 0.1298, 0.2865

Sweetspot

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



23.7395, 0.3437, 0.2032



72.4127, 0.3201, 0.2887



13.1159, 0.2045, 0.1334



14.7474, 0.3214, 0.2824



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.



23.7395, 0.3437, 0.2032



30.0499, 0.3519, 0.1872



21.4011, 0.4406, 0.2749



12.5980, 0.3161, 0.3095



10.6645, 0.3642, 0.1780



0.6524, 0.3556, 0.1732

Inverse Universe

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



23.7395, 0.3437, 0.2032



30.0499, 0.3519, 0.1872



52.5292, 0.2602, 0.3994



12.5980, 0.3161, 0.3095



10.6645, 0.3642, 0.1780



0.6524, 0.3556, 0.1732

Previews

White Background



This preview shows how the Yxy color 23.7384, 0.3437, 0.2032 looks on a white background.

Color Contrast Check

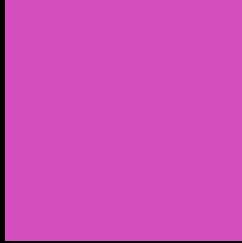
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7384, 0.3437, 0.2032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

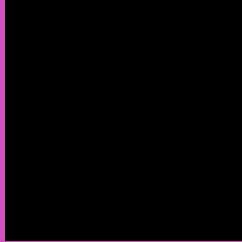
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7384, 0.3437, 0.2032

Background



This preview shows how black text looks on a background with the Yxy color 23.7384, 0.3437, 0.2032.



This preview shows how white text looks on a background with the Yxy color 23.7384, 0.3437, 0.2032.

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

23.7384, 0.3437, 0.2032

Protanopia

24.2783, 0.2014, 0.1801

Deuteranopia

23.8569, 0.2509, 0.2446



Tritanopia

23.5860, 0.4443, 0.3206

Trichromacy



Original Color

23.7384, 0.3437, 0.2032



Protanomaly

21.7143, 0.2340, 0.1792



Deuteranomaly

22.2134, 0.2792, 0.2206



Tritanomaly

23.3088, 0.4062, 0.2725

Monochromacy



Original Color

23.7384, 0.3437, 0.2032



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.8247, 0.3255, 0.2667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7384, 0.3437, 0.2032 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(214, 79, 193)` looks like.

```
.text, #text, p{  
    color:rgb(214, 79, 193)  
}
```

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(214, 79, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 79, 193) }
```

Border

The CSS property to change the border of an element to Yxy 23.7384, 0.3437, 0.2032 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(214, 79, 193) }
```

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

```
.border{ border-color:rgb(214, 79, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 79, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 79, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 79, 193);  
box-shadow:4px 4px 4px 4px rgb(214, 79,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7384, 0.3437, 0.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 79, 193) }
```

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

```
.background{ background-color: rgb(214, 79,  
193) }
```

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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