

Converting Colors

$Y_{xy}(25.3250, 0.3258, 0.1798)$

Have a look what the booklet for
Yxy(25.3250, 0.3258, 0.1798)
contains.

Yxy(25.3783, 0.3264, 0.1802)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.3783, 0.3264, 0.1802)

Conversions

Conversions Part 1

Format	Color
Hex	E145DB
RGB	225, 69, 219
RGB Percent	88%, 27%, 86%
CMY	0.1176, 0.7294, 0.1412
CMYK	0.00, 0.69, 0.03, 0.12
HSL	302°, 72%, 58%
HSV	302°, 69%, 88%
XYZ	45.9682, 25.3783, 69.4875
YIQ	132.7440, 44.8260, 79.7220

Conversions

Conversions Part 2

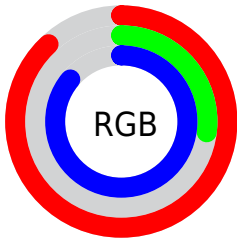
Format	Color
R _{YB}	225, 69, 219
Decimal	14763483
CIE _{Lab}	57.44, 75.91, -45.57
CIE _{LCh}	57, 88.538, 329.025
Yxy	25.3783, 0.3264, 0.1802
Android (android.graphics.Color)	4292953563 (0xFFE145DB)
YUV	132.7440, 42.5242, 80.9085
Hunter-Lab	50.3769, 74.7194, -46.5181

Details

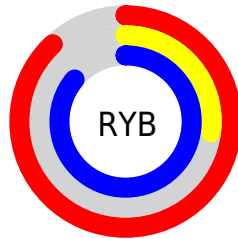
The Yxy color **25.3783, 0.3264, 0.1802** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **55.6325, 0.3003, 0.5451**, and the grayscale version is **23.1876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4453, 0.3183, 0.2103**, and **10.7513, 0.3254, 0.1566** is the 20% darker color. If you saturate the color by 10%, you get **23.0711, 0.3281, 0.1693**, and if you desaturate by 10%, it is **28.7369, 0.3245, 0.1953**.

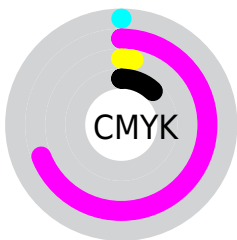
Distribution



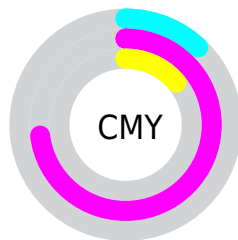
- Red (88%)
- Green (27%)
- Blue (86%)



- Red (88%)
- Yellow (27%)
- Blue (86%)



- Cyan (0%)
- Magenta (69%)
- Yellow (3%)
- Black (12%)




- Cyan (12%)
- Magenta (73%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3783, 0.3264, 0.1802 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 25.3783, 0.3264, 0.1802 by changing the saturation by 10% instead.


 25.3783, 0.3264,
0.1802


 25.3783, 0.3264,
0.1802


279.7167, 0.3231,
0.2501


 16.3591, 0.3261,
0.1645


 52.2703, 0.3260,
0.2043

 9.7786, 0.3252,
0.1456


 70.9119, 0.3256,
0.2138


 5.2524, 0.3230,
0.1224


 93.5297, 0.3252,
0.2219

 2.3961, 0.3181,
0.0941

 120.5082, 0.3248,
0.2290

 0.8239, 0.3078,
0.0602

 152.2318, 0.3243,
0.2352

 0.0000, 0.2920,
0.0000

189.0848, 0.3239,


 0.0000, 0.2224,

0.2408


0.0000

231.4516, 0.3235,
0.2457

 0.0000, 0.0000,
0.0000


 25.3783, 0.3264,
0.1802


 25.3783, 0.3264,
0.1802


 23.0711, 0.3281,
0.1693


 28.7369, 0.3245,
0.1953


 21.6860, 0.3296,
0.1627


 33.2498, 0.3225,
0.2141

 21.0203, 0.3309,
0.1598


 39.0112, 0.3204,
0.2355


 20.9850, 0.3309,
0.1597


 46.1050, 0.3183,
0.2588

 54.6075, 0.3163,
0.2829

 64.5897, 0.3144,
0.3070

 76.1174, 0.3126,
0.3305

 89.2525, 0.3110,
0.3529

 93.0659, 0.3102,
0.3580

Harmonies

Analogous

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



25.3783, 0.2004, 0.1439



25.3783, 0.3264, 0.1802



25.3783, 0.4834, 0.2427

Triad

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



25.3783, 0.3264, 0.1802



25.3783, 0.4837, 0.5017



25.3783, 0.1018, 0.2484

Complementary

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



25.3783, 0.3264, 0.1802



55.6325, 0.3003, 0.5451

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.



25.3783, 0.1477, 0.4157



25.3783, 0.3264, 0.1802



25.3783, 0.3658, 0.5961

Square

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



25.3783, 0.3264, 0.1802



25.3783, 0.5708, 0.4012



25.3783, 0.2452, 0.5871



25.3783, 0.0985, 0.1652

Rectangle

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



25.3783, 0.3264, 0.1802



25.3783, 0.5614, 0.2922



25.3783, 0.2452, 0.5871



25.3783, 0.1115, 0.2946

Sweetspot

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



25.3795, 0.3264, 0.1802



70.3309, 0.3166, 0.2785



11.1559, 0.1817, 0.1092



14.3613, 0.3172, 0.2718



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.



25.3795, 0.3264, 0.1802



29.7181, 0.3288, 0.1659



22.2125, 0.4321, 0.2522



13.9260, 0.3144, 0.3068



12.0947, 0.3308, 0.1596



0.8412, 0.3291, 0.1587

Inverse Universe

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



25.3795, 0.3264, 0.1802



29.7181, 0.3288, 0.1659



57.3980, 0.2667, 0.4365



13.9260, 0.3144, 0.3068



12.0947, 0.3308, 0.1596



0.8412, 0.3291, 0.1587

Previews

White Background



This preview shows how the Yxy color 25.3783, 0.3264, 0.1802 looks on a white background.

Color Contrast Check

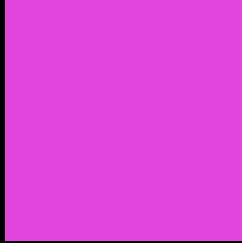
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3783, 0.3264, 0.1802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

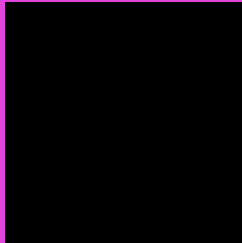
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3783, 0.3264, 0.1802

Background



This preview shows how black text looks on a background with the Yxy color 25.3783, 0.3264, 0.1802.



This preview shows how white text looks on a background with the Yxy color 25.3783, 0.3264, 0.1802.

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

25.3783, 0.3264, 0.1802

Protanopia

25.8067, 0.1927, 0.1682

Deuteranopia

25.7343, 0.2281, 0.2232



Tritanopia

25.1945, 0.4492, 0.3210

Trichromacy



Original Color

25.3783, 0.3264, 0.1802



Protanomaly

22.3085, 0.2204, 0.1596



Deuteranomaly

22.9533, 0.2552, 0.1941



Tritanomaly

24.4359, 0.4033, 0.2603

Monochromacy



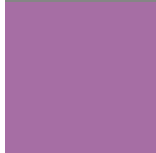
Original Color

25.3783, 0.3264, 0.1802



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

21.9392, 0.3189, 0.2498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3783, 0.3264, 0.1802 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(225, 69, 219)` looks like.

```
.text, #text, p{  
    color:rgb(225, 69, 219)  
}
```

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(225, 69, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 69, 219) }
```

Border

The CSS property to change the border of an element to Yxy 25.3783, 0.3264, 0.1802 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(225, 69, 219) }
```

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

```
.border{ border-color:rgb(225, 69, 219) }
```

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

Here you see how a box with a 4 pixel rgb(225, 69, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 69, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 69, 219);  
box-shadow:4px 4px 4px 4px rgb(225, 69,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3783, 0.3264, 0.1802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 69, 219) }
```

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

```
.background{ background-color: rgb(225, 69,  
219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor