

Converting Colors

$Y_{xy}(28.3636, 0.3382, 0.1959)$

Have a look what the booklet for
Yxy(28.3636, 0.3382, 0.1959)
contains.

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Color

Yxy(28.4164, 0.3387, 0.1966)

Conversions

Conversions Part 1

Format	Color
Hex	E953D7
RGB	233, 83, 215
RGB Percent	91%, 33%, 84%
CMY	0.0863, 0.6744, 0.1570
CMYK	0.00, 0.64, 0.08, 0.09
HSL	307°, 77%, 62%
HSV	307°, 64%, 91%
XYZ	48.9554, 28.4164, 67.1674
YIQ	142.8980, 47.0280, 72.8520

Conversions

Conversions Part 2

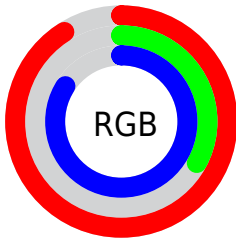
Format	Color
R _{YB}	233, 83, 215
Decimal	15291351
CIE _{Lab}	60.26, 72.08, -38.77
CIE _{LCh}	60, 81.840, 331.727
Yxy	28.4164, 0.3387, 0.1966
Android (android.graphics.Color)	4293481431 (0xFFE953D7)
YUV	142.8980, 35.5463, 79.0195
Hunter-Lab	53.3070, 70.6412, -37.3910

Details

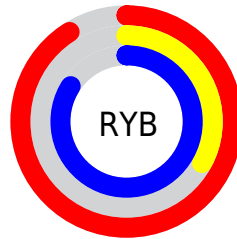
The Yxy color **28.4164, 0.3387, 0.1966** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **61.0514, 0.2962, 0.5158**, and the grayscale version is **27.2723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8260, 0.3178, 0.2204**, and **11.5367, 0.3421, 0.1658** is the 20% darker color. If you saturate the color by 10%, you get **25.2872, 0.3434, 0.1843**, and if you desaturate by 10%, it is **32.7482, 0.3340, 0.2127**.

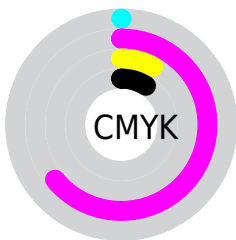
Distribution



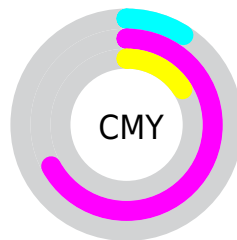
- Red (91%)
- Green (33%)
- Blue (84%)



- Red (91%)
- Yellow (33%)
- Blue (84%)



- Cyan (0%)
- Magenta (64%)
- Yellow (8%)
- Black (9%)





- Cyan (9%)
- Magenta (67%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4164, 0.3387, 0.1966 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 28.4164, 0.3387, 0.1966 by changing the saturation by 10% instead.


 28.4164, 0.3387,
0.1966


 28.4164, 0.3387,
0.1966

294.4513, 0.3282,
0.2591


 18.6398, 0.3405,
0.1824


 57.1486, 0.3355,
0.2183


 11.4103, 0.3424,
0.1650


 76.8729, 0.3341,
0.2268

 6.3435, 0.3441,
0.1434


 100.6819, 0.3329,
0.2340

 3.0551, 0.3450,
0.1164

 128.9600, 0.3318,
0.2404

 1.1605, 0.3436,
0.0824

162.0916, 0.3308,
0.2459

 0.0291, 0.3484,
0.0046

200.4611, 0.3298,


 0.0000, 0.3072,

0.2508


0.0000

244.4529, 0.3290,
0.2552


 0.0000, 0.0000,
0.0000


 28.4164, 0.3387,
0.1966


 28.4164, 0.3387,
0.1966


 25.2872, 0.3434,
0.1843


 32.7482, 0.3340,
0.2127


 23.2311, 0.3479,
0.1765

 38.3866, 0.3294,
0.2319


 22.0961, 0.3520,
0.1730

 45.4291, 0.3250,
0.2530

 21.7280, 0.3543,
0.1725

 53.9629, 0.3209,
0.2752

 64.0677, 0.3173,
0.2977

 75.8181, 0.3140,
0.3197

 89.2835, 0.3112,
0.3408

 94.9772, 0.3092,
0.3467

 95.1425, 0.3076,
0.3438

Harmonies

Analogous

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



28.4164, 0.2193, 0.1595



28.4164, 0.3387, 0.1966



28.4164, 0.4771, 0.2577

Triad

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



28.4164, 0.3387, 0.1966



28.4164, 0.4674, 0.5030



28.4164, 0.1160, 0.2493

Complementary

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



28.4164, 0.3387, 0.1966



61.0514, 0.2962, 0.5158

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.



28.4164, 0.1577, 0.3915



28.4164, 0.3387, 0.1966



28.4164, 0.3591, 0.5756

Square

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



28.4164, 0.3387, 0.1966



28.4164, 0.5468, 0.4118



28.4164, 0.2466, 0.5452



28.4164, 0.1146, 0.1757

Rectangle

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



28.4164, 0.3387, 0.1966



28.4164, 0.5425, 0.3058



28.4164, 0.2466, 0.5452



28.4164, 0.1248, 0.2890

Sweetspot

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



28.4177, 0.3387, 0.1966



72.5184, 0.3190, 0.2871



14.8143, 0.1982, 0.1270



14.7733, 0.3200, 0.2806



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.



28.4177, 0.3387, 0.1966



30.1440, 0.3448, 0.1815



25.4223, 0.4382, 0.2687



15.2808, 0.3156, 0.3085



12.3429, 0.3537, 0.1722



0.9780, 0.3485, 0.1694

Inverse Universe

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



28.4177, 0.3387, 0.1966



30.1440, 0.3448, 0.1815



63.2257, 0.2619, 0.4089



15.2808, 0.3156, 0.3085



12.3429, 0.3537, 0.1722



0.9780, 0.3485, 0.1694

Previews

White Background



This preview shows how the Yxy color 28.4164, 0.3387, 0.1966 looks on a white background.

Color Contrast Check

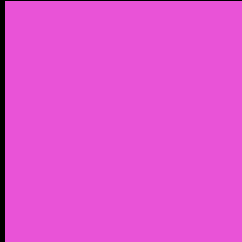
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4164, 0.3387, 0.1966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

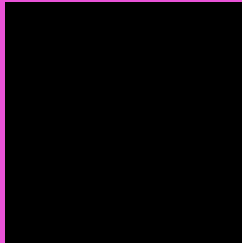
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4164, 0.3387, 0.1966

Background



This preview shows how black text looks on a background with the Yxy color 28.4164, 0.3387, 0.1966.

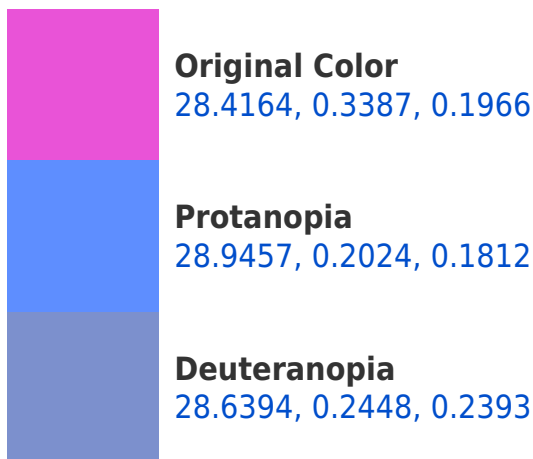


This preview shows how white text looks on a background with the Yxy color 28.4164, 0.3387, 0.1966.

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

28.3888, 0.4448, 0.3201

Trichromacy



Original Color

28.4164, 0.3387, 0.1966



Protanomaly

25.9858, 0.2347, 0.1781



Deuteranomaly

26.4150, 0.2728, 0.2133



Tritanomaly

27.9713, 0.4059, 0.2693

Monochromacy



Original Color

28.4164, 0.3387, 0.1966



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.7694, 0.3239, 0.2616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4164, 0.3387, 0.1966 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(233, 83, 215)` looks like.

```
.text, #text, p{  
    color:rgb(233, 83, 215)  
}
```

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(233, 83, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 83, 215) }
```

Border

The CSS property to change the border of an element to Yxy 28.4164, 0.3387, 0.1966 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(233, 83, 215) }
```

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

```
.border{ border-color:rgb(233, 83, 215) }
```

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

Here you see how a box with a 4 pixel rgb(233, 83, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 83, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 83, 215);  
box-shadow:4px 4px 4px 4px rgb(233, 83,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4164, 0.3387, 0.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 83, 215) }
```

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

```
.background{ background-color: rgb(233, 83,  
215) }
```

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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