

Converting Colors

$Y_{xy}(28.7654, 0.3754, 0.2354)$

Have a look what the booklet for
Yxy(28.7654, 0.3754, 0.2354)
contains.

Yxy(28.7176, 0.3758, 0.2356)	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(28.7176, 0.3758, 0.2356)

Conversions

Conversions Part 1

Format	Color
Hex	E85FB6
RGB	232, 95, 182
RGB Percent	91%, 37%, 71%
CMY	0.0903, 0.6273, 0.2864
CMYK	0.00, 0.59, 0.22, 0.09
HSL	322°, 75%, 64%
HSV	322°, 59%, 91%
XYZ	45.8068, 28.7176, 47.3670
YIQ	145.8810, 53.7250, 56.1010

Conversions

Conversions Part 2

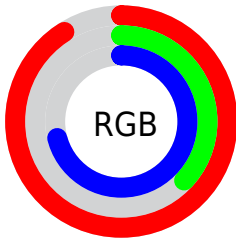
Format	Color
R _{YB}	232, 95, 182
Decimal	15228854
CIE _{Lab}	60.53, 62.14, -19.59
CIE _{LCh}	61, 65.151, 342.500
Yxy	28.7176, 0.3758, 0.2356
Android (android.graphics.Color)	4293418934 (0xFFE85FB6)
YUV	145.8810, 17.8067, 75.5264
Hunter-Lab	53.5888, 58.7982, -14.8941

Details

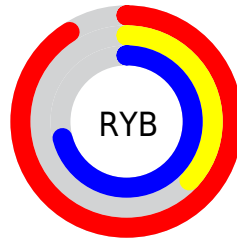
The Yxy color **28.7176, 0.3758, 0.2356** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **62.1825, 0.2811, 0.4518**, and the grayscale version is **28.6065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5663, 0.3317, 0.2427**, and **11.5569, 0.3942, 0.2096** is the 20% darker color. If you saturate the color by 10%, you get **24.8024, 0.3915, 0.2249**, and if you desaturate by 10%, it is **33.9009, 0.3613, 0.2494**.

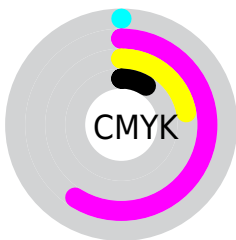
Distribution



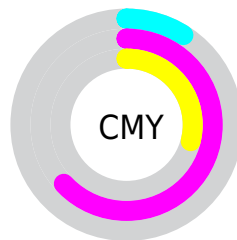
- Red (91%)
- Green (37%)
- Blue (71%)



- Red (91%)
- Yellow (37%)
- Blue (71%)



- Cyan (0%)
- Magenta (59%)
- Yellow (22%)
- Black (9%)





- Cyan (9%)
- Magenta (63%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.7176, 0.3758, 0.2356 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 28.7176, 0.3758, 0.2356 by changing the saturation by 10% instead.


 28.7176, 0.3758,
0.2356


 28.7176, 0.3758,
0.2356


295.8802, 0.3438,
0.2820


 18.8673, 0.3839,
0.2243


 57.6281, 0.3641,
0.2523


 11.5744, 0.3943,
0.2099


 77.4571, 0.3597,
0.2586

 6.4546, 0.4081,
0.1911


 101.3811, 0.3560,
0.2640

 3.1234, 0.4274,
0.1658

 129.7845, 0.3529,
0.2686

 1.1965, 0.4557,
0.1304

163.0517, 0.3501,
0.2726

 0.0588, 0.5343,
0.0174

201.5672, 0.3478,

 0.0000, 0.6950,

0.2761

0.0000

245.7152, 0.3457,
0.2792

■ 0.0000, 0.0000,
0.0000

■ 28.7176, 0.3758,
0.2356

■ 28.7176, 0.3758,
0.2356

■ 24.8024, 0.3915,
0.2249

■ 33.9009, 0.3613,
0.2494

■ 22.0364, 0.4079,
0.2184

■ 40.4486, 0.3484,
0.2651

■ 20.2857, 0.4244,
0.2170

■ 48.4524, 0.3370,
0.2817

■ 19.3418, 0.4405,
0.2205

■ 57.9949, 0.3273,
0.2985

■ 19.2673, 0.4421,
0.2209

■ 69.1524, 0.3190,
0.3149

 81.9961, 0.3121,
0.3305

 95.0395, 0.3064,
0.3427

 95.5584, 0.3016,
0.3342

 95.8925, 0.2987,
0.3290

Harmonies

Analogous

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



28.7176, 0.2689, 0.1943



28.7176, 0.3758, 0.2356



28.7176, 0.4760, 0.2951

Triad

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



28.7176, 0.3758, 0.2356



28.7176, 0.4200, 0.5038



28.7176, 0.1420, 0.2395

Complementary

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



28.7176, 0.3758, 0.2356



62.1825, 0.2811, 0.4518

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.



28.7176, 0.1679, 0.3360



28.7176, 0.3758, 0.2356



28.7176, 0.3258, 0.5267

Square

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



28.7176, 0.3758, 0.2356



28.7176, 0.4932, 0.4364



28.7176, 0.2331, 0.4586



28.7176, 0.1505, 0.1903

Rectangle

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



28.7176, 0.3758, 0.2356



28.7176, 0.5131, 0.3400



28.7176, 0.2331, 0.4586



28.7176, 0.1465, 0.2663

Sweetspot

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



28.7190, 0.3758, 0.2356



73.0970, 0.3265, 0.3000



19.8521, 0.2335, 0.1546



14.8501, 0.3291, 0.2952



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.



28.7190, 0.3758, 0.2356



29.8199, 0.3953, 0.2230



26.5941, 0.4683, 0.3075



14.5212, 0.3194, 0.3142



10.7235, 0.4396, 0.2195



0.8101, 0.4177, 0.2075

Inverse Universe

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



28.7190, 0.3758, 0.2356



29.8199, 0.3953, 0.2230



64.8619, 0.2490, 0.3558



14.5212, 0.3194, 0.3142



10.7235, 0.4396, 0.2195



0.8101, 0.4177, 0.2075

Previews

White Background



This preview shows how the Yxy color 28.7176, 0.3758, 0.2356 looks on a white background.

Color Contrast Check

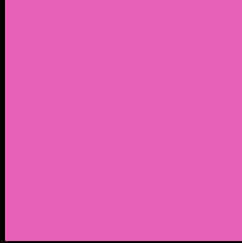
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7176, 0.3758, 0.2356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

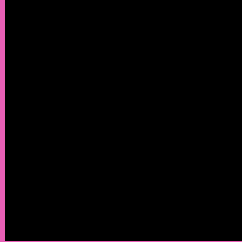
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7176, 0.3758, 0.2356

Background



This preview shows how black text looks on a background with the Yxy color 28.7176, 0.3758, 0.2356.



This preview shows how white text looks on a background with the Yxy color 28.7176, 0.3758, 0.2356.

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

28.7176, 0.3758, 0.2356

Protanopia

29.0734, 0.2349, 0.2238

Deuteranopia

28.9040, 0.2878, 0.2821



Tritanopia

28.6286, 0.4499, 0.3203

Trichromacy



Original Color

28.7176, 0.3758, 0.2356



Protanomaly

26.9066, 0.2736, 0.2218



Deuteranomaly

27.5610, 0.3171, 0.2589



Tritanomaly

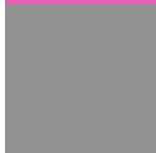
28.5202, 0.4233, 0.2885

Monochromacy



Original Color

28.7176, 0.3758, 0.2356



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.0291, 0.3354, 0.2835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7176, 0.3758, 0.2356 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(232, 95, 182)` looks like.

```
.text, #text, p{  
    color:rgb(232, 95, 182)  
}
```

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(232, 95, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 95, 182) }
```

Border

The CSS property to change the border of an element to Yxy 28.7176, 0.3758, 0.2356 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(232, 95, 182) }
```

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

```
.border{ border-color:rgb(232, 95, 182) }
```

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

Here you see how a box with a 4 pixel rgb(232, 95, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 95, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 95, 182);  
box-shadow:4px 4px 4px 4px rgb(232, 95,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7176, 0.3758, 0.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 95, 182) }
```

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

```
.background{ background-color: rgb(232, 95,  
182) }
```

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