

Converting Colors

$Y_{xy}(30.5713, 0.3728, 0.2433)$

Have a look what the booklet for
Yxy(30.5713, 0.3728, 0.2433)
contains.

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Color

Yxy(30.4753, 0.3728, 0.2429)

Conversions

Conversions Part 1

Format	Color
Hex	E868B7
RGB	232, 104, 183
RGB Percent	91%, 41%, 72%
CMY	0.0902, 0.5921, 0.2824
CMYK	0.00, 0.55, 0.21, 0.09
HSL	323°, 74%, 66%
HSV	323°, 55%, 91%
XYZ	46.7731, 30.4753, 48.2160
YIQ	151.2780, 50.9290, 51.7050

Conversions

Conversions Part 2

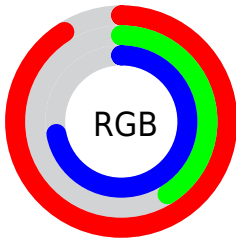
Format	Color
R _Y B	232, 104, 183
Decimal	15231159
CIE Lab	62.06, 58.28, -17.85
CIE LCh	62, 60.949, 342.967
Yxy	30.4753, 0.3728, 0.2429
Android (android.graphics.Color)	4293421239 (0xFFE868B7)
YUV	151.2780, 15.6389, 70.7932
Hunter-Lab	55.2044, 54.6301, -13.1412

Details

The Yxy color **30.4753, 0.3728, 0.2429** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **62.9508, 0.2811, 0.4389**, and the grayscale version is **30.9904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6336, 0.3301, 0.2504**, and **12.5290, 0.3897, 0.2191** is the 20% darker color. If you saturate the color by 10%, you get **26.0723, 0.3889, 0.2312**, and if you desaturate by 10%, it is **36.1889, 0.3581, 0.2572**.

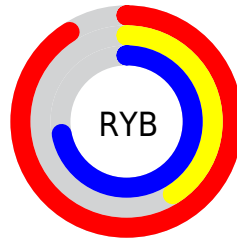
Distribution



Red (91%)

Green (41%)

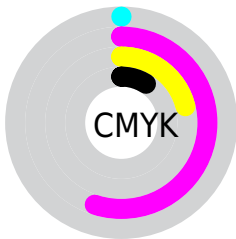
Blue (72%)



Red (91%)

Yellow (41%)

Blue (72%)

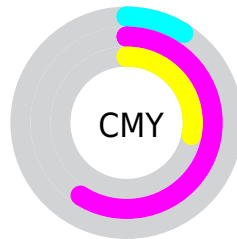


Cyan (0%)

Magenta (55%)

Yellow (21%)

Black (9%)



Cyan (9%)

Magenta (59%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4753, 0.3728, 0.2429 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 30.4753, 0.3728, 0.2429 by changing the saturation by 10% instead.

 30.4753, 0.3728,
0.2429


 30.4753, 0.3728,
0.2429


304.1137, 0.3424,
0.2856


 20.1996, 0.3805,
0.2324


 60.4130, 0.3617,
0.2583


 12.5402, 0.3904,
0.2192


 80.8439, 0.3575,
0.2641

 7.1127, 0.4035,
0.2018


 105.4286, 0.3540,
0.2690

 3.5327, 0.4219,
0.1784

 134.5515, 0.3510,
0.2733

 1.4158, 0.4491,
0.1452

168.5971, 0.3484,
0.2770

 0.2283, 0.5119,
0.0609

207.9498, 0.3461,

 0.0000, 0.6685,


0.2802

0.0000


252.9938, 0.3441,
0.2830

 0.0000, 0.0000,
0.0000


 30.4753, 0.3728,
0.2429

 30.4753, 0.3728,
0.2429


 26.0723, 0.3889,
0.2312


 36.1889, 0.3581,
0.2572


 22.8670, 0.4061,
0.2234

 43.3050, 0.3452,
0.2730


 20.7345, 0.4238,
0.2203


 51.9122, 0.3340,
0.2893


 19.5198, 0.4410,
0.2225


 62.0906, 0.3244,
0.3055


 19.1424, 0.4493,
0.2249

 73.9146, 0.3163,
0.3212

 87.4536, 0.3096,
0.3361

 95.2765, 0.3042,
0.3388

 95.8325, 0.2993,
0.3299

 95.8938, 0.2987,
0.3290

Harmonies

Analogous

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



30.4753, 0.2741, 0.2034



30.4753, 0.3728, 0.2429



30.4753, 0.4638, 0.2996

Triad

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



30.4753, 0.3728, 0.2429



30.4753, 0.4136, 0.4928



30.4753, 0.1528, 0.2463

Complementary

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



30.4753, 0.3728, 0.2429



62.9508, 0.2811, 0.4389

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.



30.4753, 0.1777, 0.3349



30.4753, 0.3728, 0.2429



30.4753, 0.3257, 0.5088

Square

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



30.4753, 0.3728, 0.2429



30.4753, 0.4808, 0.4332



30.4753, 0.2390, 0.4449



30.4753, 0.1611, 0.1996

Rectangle

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



30.4753, 0.3728, 0.2429



30.4753, 0.4978, 0.3426



30.4753, 0.2390, 0.4449



30.4753, 0.1572, 0.2711

Sweetspot

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



30.4768, 0.3728, 0.2429



74.3690, 0.3261, 0.3025



22.3032, 0.2417, 0.1671



15.3550, 0.3280, 0.2992



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.



30.4768, 0.3728, 0.2429



31.7707, 0.3909, 0.2301



28.4404, 0.4554, 0.3107



14.5168, 0.3196, 0.3146



10.6537, 0.4466, 0.2234



0.8053, 0.4234, 0.2106

Inverse Universe

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



30.4768, 0.3728, 0.2429



31.7707, 0.3909, 0.2301



65.5531, 0.2506, 0.3509



14.5168, 0.3196, 0.3146



10.6537, 0.4466, 0.2234



0.8053, 0.4234, 0.2106

Previews

White Background



This preview shows how the Yxy color 30.4753, 0.3728, 0.2429 looks on a white background.

Color Contrast Check

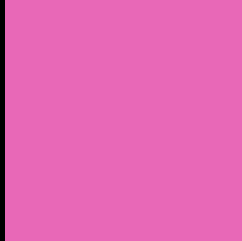
Large Text (above 18pt) WCAG AA × Fail

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 30.4753, 0.3728, 0.2429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

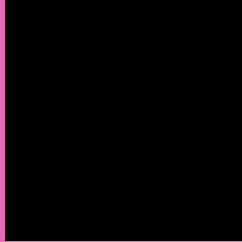
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4753, 0.3728, 0.2429

Background



This preview shows how black text looks on a background with the Yxy color 30.4753, 0.3728, 0.2429.



This preview shows how white text looks on a background with the Yxy color 30.4753, 0.3728, 0.2429.

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

30.4753, 0.3728, 0.2429

Protanopia

30.7532, 0.2432, 0.2344

Deuteranopia

30.7743, 0.2920, 0.2862



Tritanopia

30.3720, 0.4366, 0.3201

Trichromacy



Original Color

30.4753, 0.3728, 0.2429



Protanomaly

28.9213, 0.2805, 0.2334



Deuteranomaly

29.4324, 0.3190, 0.2641



Tritanomaly

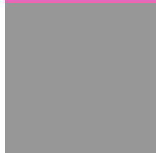
30.1576, 0.4137, 0.2903

Monochromacy



Original Color

30.4753, 0.3728, 0.2429



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.3978, 0.3333, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4753, 0.3728, 0.2429 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, 104, 183)` looks like.

```
.text, #text, p{  
    color:rgb(232, 104, 183)  
}
```

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, 104, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 104, 183) }
```

Border

The CSS property to change the border of an element to Yxy 30.4753, 0.3728, 0.2429 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, 104, 183) }
```

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

```
.border{ border-color:rgb(232, 104, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 104, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 104, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 104, 183);  
box-shadow:4px 4px 4px 4px rgb(232, 104,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4753, 0.3728, 0.2429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 104, 183) }
```

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

```
.background{ background-color: rgb(232,  
104, 183) }
```

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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