

Converting Colors

$Y_{xy}(28.0053, 0.3469, 0.2042)$

Have a look what the booklet for
Yxy(28.0053, 0.3469, 0.2042)
contains.

Yxy(28.1090, 0.3477, 0.2051)	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(28.1090, 0.3477, 0.2051)

Conversions

Conversions Part 1

Format	Color
Hex	E855CE
RGB	232, 85, 206
RGB Percent	91%, 33%, 81%
CMY	0.0904, 0.6664, 0.1923
CMYK	0.00, 0.63, 0.11, 0.09
HSL	311°, 76%, 62%
HSV	311°, 63%, 91%
XYZ	47.6524, 28.1090, 61.2889
YIQ	142.7470, 48.7710, 68.7950

Conversions

Conversions Part 2

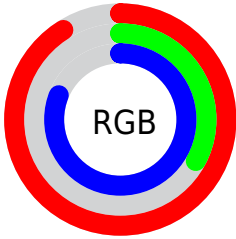
Format	Color
R _{YB}	232, 85, 206
Decimal	15226318
CIE _{Lab}	59.99, 69.68, -34.12
CIE _{LCh}	60, 77.584, 333.909
Yxy	28.1090, 0.3477, 0.2051
Android (android.graphics.Color)	4293416398 (0xFFE855CE)
YUV	142.7470, 31.1837, 78.2749
Hunter-Lab	53.0179, 67.6539, -31.4269

Details

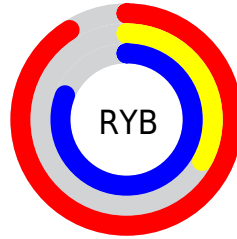
The Yxy color **28.1090, 0.3477, 0.2051** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **60.7675, 0.2928, 0.5016**, and the grayscale version is **27.2306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1249, 0.3178, 0.2213**, and **11.2489, 0.3555, 0.1747** is the 20% darker color. If you saturate the color by 10%, you get **24.8372, 0.3546, 0.1931**, and if you desaturate by 10%, it is **32.5855, 0.3409, 0.2209**.

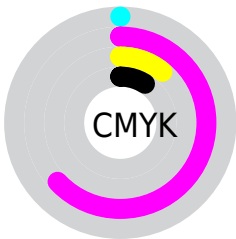
Distribution



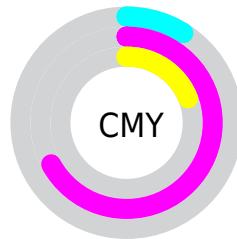
- Red (91%)
- Green (33%)
- Blue (81%)



- Red (91%)
- Yellow (33%)
- Blue (81%)



- Cyan (0%)
- Magenta (63%)
- Yellow (11%)
- Black (9%)





- Cyan (9%)
- Magenta (67%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1090, 0.3477, 0.2051 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 28.1090, 0.3477, 0.2051 by changing the saturation by 10% instead.


 28.1090, 0.3477,
0.2051


 28.1090, 0.3477,
0.2051


292.9874, 0.3321,
0.2644

 18.4078, 0.3510,
0.1914


 56.6584, 0.3425,
0.2259


 11.2432, 0.3548,
0.1744

 76.2755, 0.3404,
0.2339

 6.2307, 0.3592,
0.1531


 99.9666, 0.3385,
0.2408

 2.9858, 0.3640,
0.1258

 128.1162, 0.3369,
0.2468

 1.1243, 0.3685,
0.0908

161.1087, 0.3355,
0.2520

 0.0000, 0.3878,
0.0000

199.3285, 0.3342,


 0.0000, 0.3514,


0.2566

0.0000


243.1599, 0.3331,
0.2607


 0.0000, 0.0000,
0.0000

 28.1090, 0.3477,
0.2051


 28.1090, 0.3477,
0.2051


 24.8372, 0.3546,
0.1931


 32.5855, 0.3409,
0.2209


 22.6439, 0.3615,
0.1854


 38.3680, 0.3344,
0.2394


 21.3828, 0.3680,
0.1824


 45.5521, 0.3284,
0.2596

 20.9055, 0.3722,
0.1824


 54.2231, 0.3230,
0.2807

 64.4594, 0.3182,
0.3018

 76.3340, 0.3140,
0.3224

 89.9154, 0.3104,
0.3420

 94.8867, 0.3077,
0.3453

 95.1316, 0.3054,
0.3411

Harmonies

Analogous

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



28.1090, 0.2302, 0.1669



28.1090, 0.3477, 0.2051



28.1090, 0.4779, 0.2661

Triad

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



28.1090, 0.3477, 0.2051



28.1090, 0.4572, 0.5051



28.1090, 0.1215, 0.2465

Complementary

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



28.1090, 0.3477, 0.2051



60.7675, 0.2928, 0.5016

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.



28.1090, 0.1598, 0.3774



28.1090, 0.3477, 0.2051



28.1090, 0.3521, 0.5667

Square

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



28.1090, 0.3477, 0.2051



28.1090, 0.5351, 0.4182



28.1090, 0.2436, 0.5252



28.1090, 0.1221, 0.1787

Rectangle

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



28.1090, 0.3477, 0.2051



28.1090, 0.5366, 0.3136



28.1090, 0.2436, 0.5252



28.1090, 0.1294, 0.2830

Sweetspot

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



28.1104, 0.3477, 0.2051



72.3483, 0.3209, 0.2897



15.6178, 0.2052, 0.1325



14.7316, 0.3223, 0.2836



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.



28.1104, 0.3477, 0.2051



29.8247, 0.3568, 0.1902



25.3775, 0.4461, 0.2773



14.5692, 0.3165, 0.3099



11.6287, 0.3713, 0.1819



0.8708, 0.3626, 0.1771

Inverse Universe

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



28.1104, 0.3477, 0.2051



29.8247, 0.3568, 0.1902



63.0372, 0.2588, 0.3965



14.5692, 0.3165, 0.3099



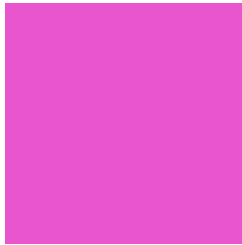
11.6287, 0.3713, 0.1819



0.8708, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 28.1090, 0.3477, 0.2051 looks on a white background.

Color Contrast Check

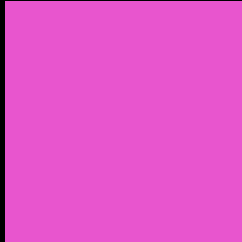
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1090, 0.3477, 0.2051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

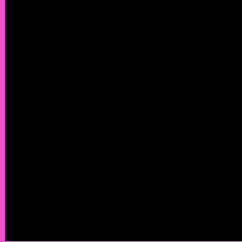
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1090, 0.3477, 0.2051

Background



This preview shows how black text looks on a background with the Yxy color 28.1090, 0.3477, 0.2051.



This preview shows how white text looks on a background with the Yxy color 28.1090, 0.3477, 0.2051.

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

28.1090, 0.3477, 0.2051

Protanopia

28.5213, 0.2028, 0.1815

Deuteranopia

28.4220, 0.2546, 0.2487



Tritanopia

28.1242, 0.4480, 0.3213

Trichromacy



Original Color

28.1090, 0.3477, 0.2051



Protanomaly

25.6602, 0.2363, 0.1811



Deuteranomaly

26.3047, 0.2834, 0.2237



Tritanomaly

27.6460, 0.4116, 0.2746

Monochromacy



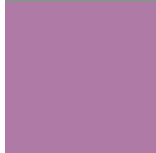
Original Color

28.1090, 0.3477, 0.2051



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.7862, 0.3260, 0.2667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1090, 0.3477, 0.2051 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, 85, 206)` looks like.

```
.text, #text, p{  
    color:rgb(232, 85, 206)  
}
```

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, 85, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 85, 206) }
```

Border

The CSS property to change the border of an element to Yxy 28.1090, 0.3477, 0.2051 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, 85, 206) }
```

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

```
.border{ border-color:rgb(232, 85, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 85, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 85, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 85, 206);  
box-shadow:4px 4px 4px 4px rgb(232, 85,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1090, 0.3477, 0.2051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 85, 206) }
```

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

```
.background{ background-color: rgb(232, 85,  
206) }
```

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