

Converting Colors

$Y_{xy}(27.7605, 0.4039, 0.2463)$

Have a look what the booklet for
Yxy(27.7605, 0.4039, 0.2463)
contains.

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Color

Yxy(27.7836, 0.4041, 0.2460)

Conversions

Conversions Part 1

Format	Color
Hex	EE57A7
RGB	238, 87, 167
RGB Percent	93%, 34%, 65%
CMY	0.0667, 0.6587, 0.3451
CMYK	0.00, 0.63, 0.30, 0.07
HSL	328°, 82%, 64%
HSV	328°, 63%, 93%
XYZ	45.6396, 27.7836, 39.5182
YIQ	141.2690, 64.3160, 56.8920

Conversions

Conversions Part 2

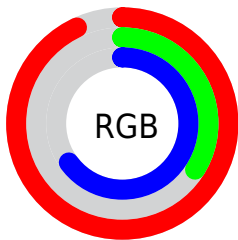
Format	Color
R _Y B	238, 87, 167
Decimal	15620007
CIE Lab	59.69, 65.27, -12.16
CIE LCh	60, 66.396, 349.449
Yxy	27.7836, 0.4041, 0.2460
Android (android.graphics.Color)	4293810087 (0xFFEE57A7)
YUV	141.2690, 12.6854, 84.8331
Hunter-Lab	52.7102, 62.3134, -7.5542

Details

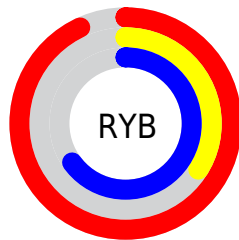
The Yxy color **27.7836, 0.4041, 0.2460** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **65.6366, 0.2726, 0.4400**, and the grayscale version is **26.6810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7847, 0.3469, 0.2514**, and **11.0734, 0.4334, 0.2218** is the 20% darker color. If you saturate the color by 10%, you get **24.1486, 0.4263, 0.2392**, and if you desaturate by 10%, it is **32.7269, 0.3836, 0.2564**.

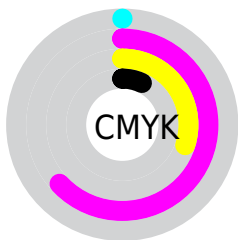
Distribution



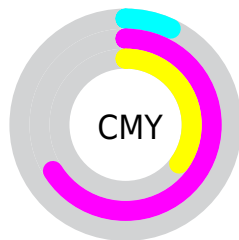
- Red (93%)
- Green (34%)
- Blue (65%)



- Red (93%)
- Yellow (34%)
- Blue (65%)



- Cyan (0%)
- Magenta (63%)
- Yellow (30%)
- Black (7%)





- Cyan (7%)
- Magenta (66%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7836, 0.4041, 0.2460 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 27.7836, 0.4041, 0.2460 by changing the saturation by 10% instead.

 27.7836, 0.4041,
0.2460


 27.7836, 0.4041,
0.2460


291.4314, 0.3561,
0.2882

 18.1626, 0.4168,
0.2353


 56.1388, 0.3862,
0.2615


 11.0668, 0.4334,
0.2216


 75.6417, 0.3796,
0.2672

 6.1118, 0.4561,
0.2033


 99.2074, 0.3741,
0.2721

 2.9132, 0.4890,
0.1781

 127.2203, 0.3694,
0.2763

 1.0866, 0.5398,
0.1414

160.0648, 0.3654,
0.2799

 0.0000, 0.6871,
0.0000

198.1252, 0.3619,


 0.0000, 1.0000,


0.2830

0.0000


241.7859, 0.3588,
0.2858

 0.0000, 0.0000,
0.0000

 27.7836, 0.4041,
0.2460


 27.7836, 0.4041,
0.2460

 24.1486, 0.4263,
0.2392


 32.7269, 0.3836,
0.2564


 21.6866, 0.4493,
0.2372


 39.0878, 0.3654,
0.2690


 20.2397, 0.4720,
0.2407


 46.9687, 0.3496,
0.2829


 19.6831, 0.4865,
0.2454

 56.4615, 0.3362,
0.2972

 67.6505, 0.3249,
0.3112

 80.6142, 0.3156,
0.3246

 95.4262, 0.3078,
0.3372

 96.9146, 0.3023,
0.3290

Harmonies

Analogous

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



27.7836, 0.2909, 0.1988



27.7836, 0.4041, 0.2460



27.7836, 0.4977, 0.3093

Triad

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



27.7836, 0.4041, 0.2460



27.7836, 0.4004, 0.5199



27.7836, 0.1373, 0.2211

Complementary

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



27.7836, 0.4041, 0.2460



65.6366, 0.2726, 0.4400

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.



27.7836, 0.1547, 0.3084



27.7836, 0.4041, 0.2460



27.7836, 0.3021, 0.5262

Square

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



27.7836, 0.4041, 0.2460



27.7836, 0.4829, 0.4552



27.7836, 0.2117, 0.4351



27.7836, 0.1535, 0.1810

Rectangle

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



27.7836, 0.4041, 0.2460



27.7836, 0.5241, 0.3559



27.7836, 0.2117, 0.4351



27.7836, 0.1391, 0.2444

Sweetspot

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



27.7850, 0.4041, 0.2460



71.5066, 0.3310, 0.3033



20.2082, 0.2413, 0.1485



14.5270, 0.3344, 0.2993



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.



27.7850, 0.4041, 0.2460



27.2947, 0.4328, 0.2381



25.7686, 0.5117, 0.3248



15.8988, 0.3210, 0.3166



11.0092, 0.4832, 0.2436



0.9360, 0.4560, 0.2285

Inverse Universe

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



27.7850, 0.4041, 0.2460



27.2947, 0.4328, 0.2381



69.0483, 0.2388, 0.3351



15.8988, 0.3210, 0.3166



11.0092, 0.4832, 0.2436



0.9360, 0.4560, 0.2285

Previews

White Background



This preview shows how the Yxy color 27.7836, 0.4041, 0.2460 looks on a white background.

Color Contrast Check

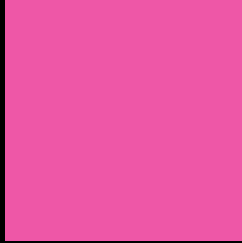
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7836, 0.4041, 0.2460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

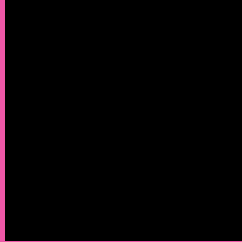
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7836, 0.4041, 0.2460

Background



This preview shows how black text looks on a background with the Yxy color 27.7836, 0.4041, 0.2460.



This preview shows how white text looks on a background with the Yxy color 27.7836, 0.4041, 0.2460.

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

27.7836, 0.4041, 0.2460

Protanopia

28.0389, 0.2444, 0.2362

Deuteranopia

27.8387, 0.3056, 0.2996



Tritanopia

27.7137, 0.4760, 0.3220

Trichromacy



Original Color

27.7836, 0.4041, 0.2460

Protanomaly

25.6800, 0.2895, 0.2332

Deuteranomaly

26.3507, 0.3398, 0.2723

Tritanomaly

27.6129, 0.4517, 0.2941

Monochromacy



Original Color

27.7836, 0.4041, 0.2460

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.1069, 0.3458, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7836, 0.4041, 0.2460 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(238, 87, 167)` looks like.

```
.text, #text, p{  
    color:rgb(238, 87, 167)  
}
```

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(238, 87, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 87, 167) }
```

Border

The CSS property to change the border of an element to Yxy 27.7836, 0.4041, 0.2460 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(238, 87, 167) }
```

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

```
.border{ border-color:rgb(238, 87, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 87, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 87, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 87, 167);  
box-shadow:4px 4px 4px 4px rgb(238, 87,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7836, 0.4041, 0.2460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 87, 167) }
```

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

```
.background{ background-color: rgb(238, 87,  
167) }
```

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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