

Converting Colors

$Y_{xy}(27.1565, 0.4793, 0.2740)$

Have a look what the booklet for
Yxy(27.1565, 0.4793, 0.2740)
contains.

Yxy(27.1822, 0.4787, 0.2738)	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(27.1822, 0.4787, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	FF4584
RGB	255, 69, 132
RGB Percent	100%, 27%, 52%
CMY	0.0001, 0.7292, 0.4824
CMYK	0.00, 0.73, 0.48, 0.00
HSL	340°, 100%, 64%
HSV	340°, 73%, 100%
XYZ	47.5242, 27.1822, 24.5712
YIQ	131.7960, 90.6330, 59.0250

Conversions

Conversions Part 2

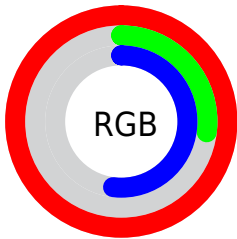
Format	Color
R _Y B	255, 69, 132
Decimal	16729476
CIE Lab	59.14, 72.96, 7.79
CIE LCh	59, 73.377, 6.096
Yxy	27.1822, 0.4787, 0.2738
Android (android.graphics.Color)	4294919556 (0xFFFF4584)
YUV	131.7960, 0.1006, 108.0499
Hunter-Lab	52.1366, 71.4696, 8.5531

Details

The Yxy color **27.1822, 0.4787, 0.2738** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **76.5740, 0.2560, 0.4107**, and the grayscale version is **22.9820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9954, 0.3878, 0.2736**, and **11.8310, 0.5251, 0.2666** is the 20% darker color. If you saturate the color by 10%, you get **24.2640, 0.5136, 0.2756**, and if you desaturate by 10%, it is **31.5247, 0.4447, 0.2765**.

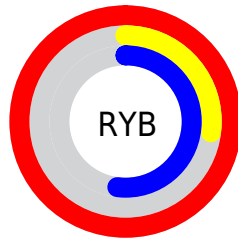
Distribution



Red (100%)

Green (27%)

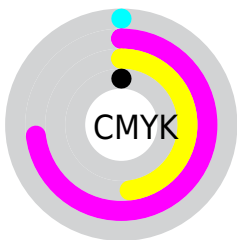
Blue (52%)



Red (100%)

Yellow (27%)

Blue (52%)

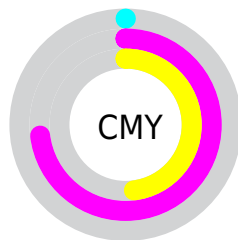


Cyan (0%)

Magenta (73%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (73%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1822, 0.4787, 0.2738 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 27.1822, 0.4787, 0.2738 by changing the saturation by 10% instead.


 27.1822, 0.4787,
0.2738


 27.1822, 0.4787,
0.2738


288.5382, 0.3889,
0.3053


 17.7101, 0.5030,
0.2647


 55.1761, 0.4445,
0.2862

 10.7421, 0.5353,
0.2522


 74.4667, 0.4322,
0.2905


 5.8937, 0.5794,
0.2345

 97.7989, 0.4219,
0.2941

 2.7805, 0.6425,
0.2078

 125.5572, 0.4132,
0.2971

 1.0183, 0.7421,
0.1667

 158.1258, 0.4058,
0.2996

 0.0000, 1.0000,
0.0000

195.8893, 0.3994,

 0.0000, 0.0000,

0.3018

0.0000

239.2320, 0.3938,
0.3037

■ 27.1822, 0.4787,
0.2738

■ 27.1822, 0.4787,
0.2738

■ 24.2640, 0.5136,
0.2756

■ 31.5247, 0.4447,
0.2765

■ 22.5757, 0.5464,
0.2825


■ 37.4436, 0.4135,
0.2825

■ 21.9309, 0.5670,
0.2897

■ 45.0761, 0.3864,
0.2906

■ 54.5434, 0.3634,
0.2996

■ 65.9554, 0.3444,
0.3089

 79.4134, 0.3287,
0.3180

 95.0117, 0.3160,
0.3266

99.9939, 0.3127,
0.3290

Harmonies

Analogous

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



27.1822, 0.3560, 0.2130



27.1822, 0.4787, 0.2738



27.1822, 0.5435, 0.3453

Triad

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



27.1822, 0.4787, 0.2738



27.1822, 0.3451, 0.5580



27.1822, 0.1290, 0.1812

Complementary

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



27.1822, 0.4787, 0.2738



76.5740, 0.2560, 0.4107

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.



27.1822, 0.1264, 0.2438



27.1822, 0.4787, 0.2738



27.1822, 0.2403, 0.5071

Square

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



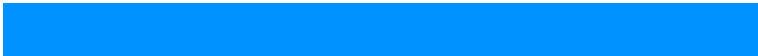
27.1822, 0.4787, 0.2738



27.1822, 0.4475, 0.5065



27.1822, 0.1613, 0.3651



27.1822, 0.1652, 0.1618

Rectangle

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



27.1822, 0.4787, 0.2738



27.1822, 0.5389, 0.3968



27.1822, 0.1613, 0.3651



27.1822, 0.1244, 0.1963

Sweetspot

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



27.1837, 0.4787, 0.2738



67.1172, 0.3428, 0.3097



22.4163, 0.2578, 0.1396



13.6501, 0.3475, 0.3072



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.



27.1837, 0.4787, 0.2738



23.4442, 0.5274, 0.2778



30.2242, 0.5427, 0.3522



18.0885, 0.3241, 0.3210



11.4875, 0.5627, 0.2874



1.1380, 0.5310, 0.2699

Inverse Universe

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



27.1837, 0.4787, 0.2738



23.4442, 0.5274, 0.2778



63.4684, 0.2224, 0.2942



18.0885, 0.3241, 0.3210



11.4875, 0.5627, 0.2874



1.1380, 0.5310, 0.2699

Previews

White Background



This preview shows how the Yxy color 27.1822, 0.4787, 0.2738 looks on a white background.

Color Contrast Check

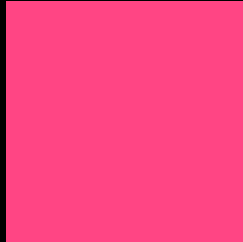
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1822, 0.4787, 0.2738 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 27.1822, 0.4787, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 27.1822, 0.4787, 0.2738.



This preview shows how white text looks on a background with the Yxy color 27.1822, 0.4787, 0.2738.

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

27.1822, 0.4787, 0.2738

Protanopia

27.3011, 0.2781, 0.2789

Deuteranopia

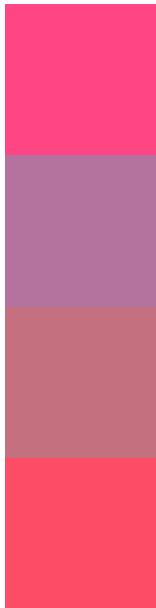
27.1079, 0.3576, 0.3509



Tritanopia

27.0729, 0.5379, 0.3264

Trichromacy



Original Color

27.1822, 0.4787, 0.2738

Protanomaly

24.3138, 0.3409, 0.2683

Deuteranomaly

24.8305, 0.4041, 0.3104

Tritanomaly

26.9911, 0.5190, 0.3083

Monochromacy



Original Color

27.1822, 0.4787, 0.2738

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

21.9503, 0.3736, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1822, 0.4787, 0.2738 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(255, 69, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 132)  
}
```

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(255, 69, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 132) }
```

Border

The CSS property to change the border of an element to Yxy 27.1822, 0.4787, 0.2738 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(255, 69, 132) }
```

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

```
.border{ border-color:rgb(255, 69, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 69, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
132) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.1822, 0.4787, 0.2738$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 132) }
```

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

```
.background{ background-color: rgb(255, 69,  
132) }
```

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