

Converting Colors

$Y_{xy}(30.9073, 0.4152, 0.2720)$

Have a look what the booklet for
Yxy(30.9073, 0.4152, 0.2720)
contains.

Yxy(31.0357, 0.4160, 0.2729)	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(31.0357, 0.4160, 0.2729)

Conversions

Conversions Part 1

Format	Color
Hex	F1689D
RGB	241, 104, 157
RGB Percent	95%, 41%, 62%
CMY	0.0549, 0.5921, 0.3844
CMYK	0.00, 0.57, 0.35, 0.05
HSL	337°, 83%, 68%
HSV	337°, 57%, 95%
XYZ	47.3098, 31.0357, 35.3800
YIQ	151.0050, 64.6390, 45.5270

Conversions

Conversions Part 2

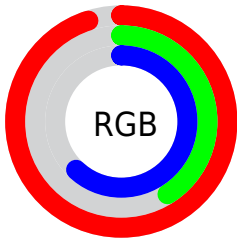
Format	Color
R _Y B	241, 104, 157
Decimal	15820957
CIE Lab	62.54, 57.73, -2.09
CIE LCh	63, 57.768, 357.929
Yxy	31.0357, 0.4160, 0.2729
Android (android.graphics.Color)	4294011037 (0xFFFF1689D)
YUV	151.0050, 2.9555, 78.9256
Hunter-Lab	55.7097, 54.0939, 1.3430

Details

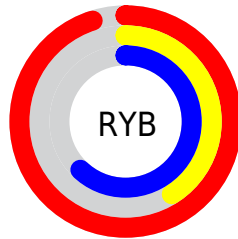
The Yxy color **31.0357, 0.4160, 0.2729** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **69.4883, 0.2653, 0.3986**, and the grayscale version is **30.9172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1048, 0.3550, 0.2767**, and **12.8184, 0.4494, 0.2545** is the 20% darker color. If you saturate the color by 10%, you get **26.3840, 0.4455, 0.2669**, and if you desaturate by 10%, it is **37.1377, 0.3898, 0.2815**.

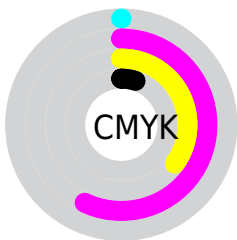
Distribution



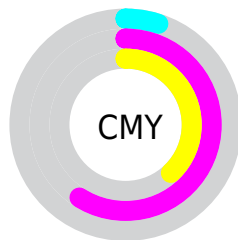
- Red (95%)
- Green (41%)
- Blue (62%)



- Red (95%)
- Yellow (41%)
- Blue (62%)



- Cyan (0%)
- Magenta (57%)
- Yellow (35%)
- Black (5%)




- Cyan (5%)
- Magenta (59%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0357, 0.4160, 0.2729 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 31.0357, 0.4160, 0.2729 by changing the saturation by 10% instead.


 31.0357, 0.4160,
0.2729


 31.0357, 0.4160,
0.2729


306.7028, 0.3614,
0.3023

 20.6260, 0.4305,
0.2652


 61.2963, 0.3955,
0.2839

 12.8509, 0.4497,
0.2550


 81.9160, 0.3880,
0.2879

 7.3260, 0.4761,
0.2412


 106.7078, 0.3817,
0.2913

 3.6668, 0.5145,
0.2212

 136.0562, 0.3764,
0.2942

 1.4890, 0.5745,
0.1905

170.3454, 0.3719,
0.2966

 0.2809, 0.7301,
0.1035

209.9600, 0.3679,


 0.0000, 1.0000,

0.2988


0.0000


255.2843, 0.3645,
0.3006


 0.0000, 0.0000,
0.0000


 31.0357, 0.4160,
0.2729


 31.0357, 0.4160,
0.2729


 26.3840, 0.4455,
0.2669


 37.1377, 0.3898,
0.2815


 23.0539, 0.4771,
0.2648

 44.7945, 0.3674,
0.2915


 20.9022, 0.5089,
0.2677

 54.1065, 0.3485,
0.3020

 19.7449, 0.5385,
0.2758

 65.1642, 0.3329,
0.3125

 19.4943, 0.5474,
0.2789

 78.0516, 0.3201,
0.3225

■ 92.8471, 0.3096,
0.3319

■ 97.4411, 0.3041,
0.3290

Harmonies

Analogous

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



31.0357, 0.3214, 0.2255



31.0357, 0.4160, 0.2729



31.0357, 0.4818, 0.3326

Triad

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



31.0357, 0.4160, 0.2729



31.0357, 0.3695, 0.4991



31.0357, 0.1602, 0.2241

Complementary

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



31.0357, 0.4160, 0.2729



69.4883, 0.2653, 0.3986

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.



31.0357, 0.1681, 0.2888



31.0357, 0.4160, 0.2729



31.0357, 0.2835, 0.4765

Square

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



31.0357, 0.4160, 0.2729



31.0357, 0.4454, 0.4600



31.0357, 0.2101, 0.3873



31.0357, 0.1832, 0.1964

Rectangle

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



31.0357, 0.4160, 0.2729



31.0357, 0.4940, 0.3756



31.0357, 0.2101, 0.3873



31.0357, 0.1593, 0.2412

Sweetspot

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



31.0373, 0.4160, 0.2729



73.7963, 0.3332, 0.3122



26.7189, 0.2670, 0.1734



15.2199, 0.3361, 0.3102



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.



31.0373, 0.4160, 0.2729



29.3925, 0.4497, 0.2664



32.5897, 0.4769, 0.3437



15.8600, 0.3232, 0.3199



10.5956, 0.5432, 0.2766



0.9004, 0.5078, 0.2571

Inverse Universe

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



31.0373, 0.4160, 0.2729



29.3925, 0.4497, 0.2664



64.3987, 0.2379, 0.3117



15.8600, 0.3232, 0.3199



10.5956, 0.5432, 0.2766



0.9004, 0.5078, 0.2571

Previews

White Background



This preview shows how the Yxy color 31.0357, 0.4160, 0.2729 looks on a white background.

Color Contrast Check

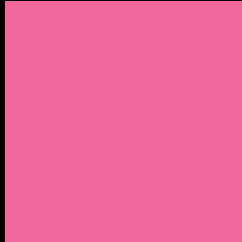
Large Text (above 18pt) WCAG AA × Fail

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 31.0357, 0.4160, 0.2729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

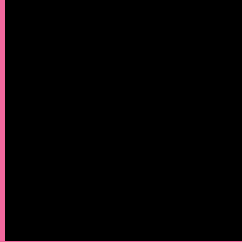
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0357, 0.4160, 0.2729

Background



This preview shows how black text looks on a background with the Yxy color 31.0357, 0.4160, 0.2729.



This preview shows how white text looks on a background with the Yxy color 31.0357, 0.4160, 0.2729.

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

31.0357, 0.4160, 0.2729

Protanopia

31.2872, 0.2757, 0.2759

Deuteranopia

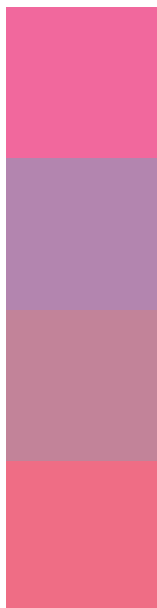
31.2849, 0.3307, 0.3246



Tritanopia

31.0974, 0.4595, 0.3219

Trichromacy



Original Color

31.0357, 0.4160, 0.2729

Protanomaly

29.4539, 0.3197, 0.2713

Deuteranomaly

30.0018, 0.3606, 0.2996

Tritanomaly

30.9815, 0.4438, 0.3036

Monochromacy



Original Color

31.0357, 0.4160, 0.2729

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.5404, 0.3487, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0357, 0.4160, 0.2729 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(241, 104, 157)` looks like.

```
.text, #text, p{  
    color:rgb(241, 104, 157)  
}
```

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(241, 104, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 104, 157) }
```

Border

The CSS property to change the border of an element to Yxy 31.0357, 0.4160, 0.2729 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(241, 104, 157) }
```

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

```
.border{ border-color:rgb(241, 104, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 104, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 104, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 104, 157);  
box-shadow:4px 4px 4px 4px rgb(241, 104,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0357, 0.4160, 0.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 104, 157) }
```

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

```
.background{ background-color: rgb(241,  
104, 157) }
```

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