

Converting Colors

$Y_{xy}(33.2820, 0.4258, 0.2740)$

Have a look what the booklet for
Yxy(33.2820, 0.4258, 0.2740)
contains.

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Color

Yxy(33.2865, 0.4256, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	FD689F
RGB	253, 104, 159
RGB Percent	99%, 41%, 62%
CMY	0.0080, 0.5920, 0.3765
CMYK	0.00, 0.59, 0.37, 0.01
HSL	338°, 97%, 70%
HSV	338°, 59%, 99%
XYZ	51.7034, 33.2865, 36.4937
YIQ	154.8210, 71.1490, 48.6930

Conversions

Conversions Part 2

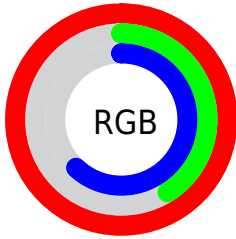
Format	Color
R _Y B	253, 104, 159
Decimal	16607391
CIE Lab	64.39, 61.64, -0.32
CIE LCh	64, 61.642, 359.704
Yxy	33.2865, 0.4256, 0.2740
Android (android.graphics.Color)	4294797471 (0xFFFD689F)
YUV	154.8210, 2.0602, 86.1030
Hunter-Lab	57.6945, 58.9991, 2.8832

Details

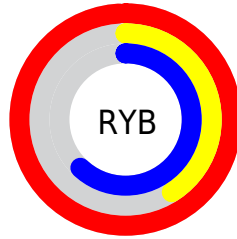
The Yxy color **33.2865, 0.4256, 0.2740** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.2473, 0.2631, 0.3983**, and the grayscale version is **32.6690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6048, 0.3520, 0.2748**, and **14.0905, 0.4608, 0.2562** is the 20% darker color. If you saturate the color by 10%, you get **28.4151, 0.4568, 0.2691**, and if you desaturate by 10%, it is **39.7599, 0.3977, 0.2817**.

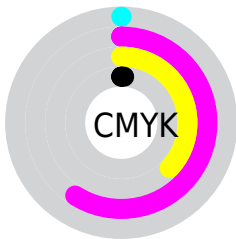
Distribution



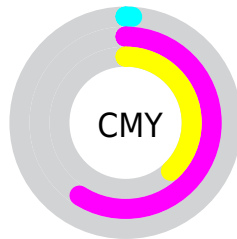
- Red (99%)
- Green (41%)
- Blue (62%)



- Red (99%)
- Yellow (41%)
- Blue (62%)



- Cyan (0%)
- Magenta (59%)
- Yellow (37%)
- Black (1%)



- Cyan (1%)
- Magenta (59%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2865, 0.4256, 0.2740 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 33.2865, 0.4256, 0.2740 by changing the saturation by 10% instead.


 33.2865, 0.4256,
0.2740


 33.2865, 0.4256,
0.2740


316.9387, 0.3665,
0.3028

 22.3460, 0.4411,
0.2665


 64.8226, 0.4035,
0.2847


 14.1114, 0.4614,
0.2566


 86.1869, 0.3954,
0.2887

 8.1982, 0.4891,
0.2432


 111.7947, 0.3886,
0.2920

 4.2220, 0.5287,
0.2240

 142.0303, 0.3829,
0.2948

 1.7985, 0.5890,
0.1949

177.2781, 0.3779,
0.2972

 0.4862, 0.7101,
0.1358

217.9225, 0.3736,


 0.0000, 1.0000,

0.2993


0.0000


264.3479, 0.3698,
0.3011

 0.0000, 0.0000,
0.0000


 33.2865, 0.4256,
0.2740


 33.2865, 0.4256,
0.2740


 28.4151, 0.4568,
0.2691


 39.7599, 0.3977,
0.2817


 24.9967, 0.4898,
0.2684


 47.9563, 0.3736,
0.2911


 22.8626, 0.5224,
0.2728

 57.9913, 0.3533,
0.3011

 21.7653, 0.5519,
0.2820

 69.9685, 0.3366,
0.3112

 21.6704, 0.5551,
0.2832

 83.9840, 0.3228,
0.3209

99.5994, 0.3116,
0.3292

99.6144, 0.3115,
0.3290

Harmonies

Analogous

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



33.2865, 0.3273, 0.2243



33.2865, 0.4256, 0.2740



33.2865, 0.4910, 0.3357

Triad

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



33.2865, 0.4256, 0.2740



33.2865, 0.3654, 0.5070



33.2865, 0.1557, 0.2172

Complementary

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



33.2865, 0.4256, 0.2740



77.2473, 0.2631, 0.3983

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.



33.2865, 0.1617, 0.2814



33.2865, 0.4256, 0.2740



33.2865, 0.2765, 0.4797

Square

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



33.2865, 0.4256, 0.2740



33.2865, 0.4455, 0.4674



33.2865, 0.2024, 0.3832



33.2865, 0.1812, 0.1912

Rectangle

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



33.2865, 0.4256, 0.2740



33.2865, 0.5007, 0.3800



33.2865, 0.2024, 0.3832



33.2865, 0.1541, 0.2340

Sweetspot

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



33.2882, 0.4256, 0.2740



72.4028, 0.3353, 0.3120



28.7194, 0.2669, 0.1688



14.6811, 0.3397, 0.3091



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.



33.2882, 0.4256, 0.2740



28.0663, 0.4639, 0.2686



35.6531, 0.4848, 0.3465



18.0979, 0.3236, 0.3203



11.5580, 0.5509, 0.2809



1.1456, 0.5198, 0.2637

Inverse Universe

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



33.2882, 0.4256, 0.2740



28.0663, 0.4639, 0.2686



69.7869, 0.2352, 0.3079



18.0979, 0.3236, 0.3203



11.5580, 0.5509, 0.2809



1.1456, 0.5198, 0.2637

Previews

White Background



This preview shows how the Yxy color 33.2865, 0.4256, 0.2740 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 33.2865, 0.4256, 0.2740 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 33.2865, 0.4256, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 33.2865, 0.4256, 0.2740.



This preview shows how white text looks on a background with the Yxy color 33.2865, 0.4256, 0.2740.

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

33.2865, 0.4256, 0.2740

Protanopia

33.5500, 0.2775, 0.2787

Deuteranopia

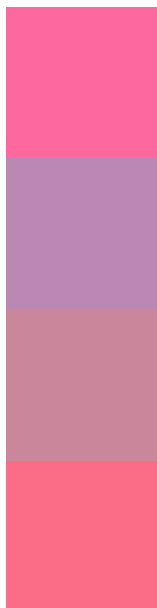
33.2845, 0.3344, 0.3276



Tritanopia

33.2684, 0.4696, 0.3214

Trichromacy



Original Color

33.2865, 0.4256, 0.2740

Protanomaly

31.4278, 0.3238, 0.2719

Deuteranomaly

31.9733, 0.3663, 0.3019

Tritanomaly

33.1677, 0.4544, 0.3041

Monochromacy



Original Color

33.2865, 0.4256, 0.2740

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.0850, 0.3526, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2865, 0.4256, 0.2740 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(253, 104, 159)` looks like.

```
.text, #text, p{  
    color:rgb(253, 104, 159)  
}
```

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(253, 104, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 104, 159) }
```

Border

The CSS property to change the border of an element to Yxy 33.2865, 0.4256, 0.2740 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(253, 104, 159) }
```

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

```
.border{ border-color:rgb(253, 104, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 104, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 104, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 104, 159);  
box-shadow:4px 4px 4px 4px rgb(253, 104,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2865, 0.4256, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 104, 159) }
```

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

```
.background{ background-color: rgb(253,  
104, 159) }
```

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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