

Converting Colors

$Y_{xy}(34.7511, 0.4159, 0.2733)$

Have a look what the booklet for
Yxy(34.7511, 0.4159, 0.2733)
contains.

Yxy(34.7511, 0.4159, 0.2733)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.7511, 0.4159, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	FD6EA5
RGB	253, 110, 165
RGB Percent	99%, 43%, 65%
CMY	0.0077, 0.5687, 0.3529
CMYK	0.00, 0.57, 0.35, 0.01
HSL	337°, 97%, 71%
HSV	337°, 57%, 99%
XYZ	52.8832, 34.7511, 39.5194
YIQ	159.0270, 67.5730, 47.4210

Conversions

Conversions Part 2

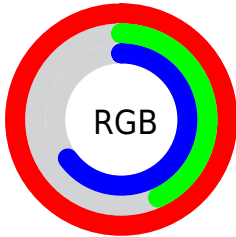
Format	Color
R _Y B	253, 110, 165
Decimal	16608933
CIE Lab	65.55, 59.71, -2.05
CIE LCh	66, 59.749, 358.031
Yxy	34.7511, 0.4159, 0.2733
Android (android.graphics.Color)	4294799013 (0xFFFD6EA5)
YUV	159.0270, 2.9447, 82.4143
Hunter-Lab	58.9501, 56.9671, 1.5178

Details

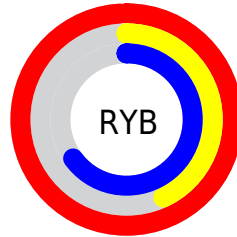
The Yxy color **34.7511, 0.4159, 0.2733** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.6596, 0.2653, 0.3980**, and the grayscale version is **34.6459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6997, 0.3459, 0.2740**, and **14.9857, 0.4493, 0.2570** is the 20% darker color. If you saturate the color by 10%, you get **29.5185, 0.4455, 0.2673**, and if you desaturate by 10%, it is **41.6145, 0.3896, 0.2819**.

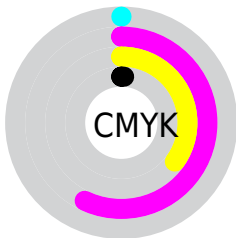
Distribution



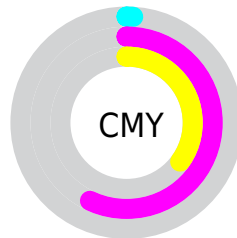
- Red (99%)
- Green (43%)
- Blue (65%)



- Red (99%)
- Yellow (43%)
- Blue (65%)



- Cyan (0%)
- Magenta (57%)
- Yellow (35%)
- Black (1%)





- Cyan (1%)
- Magenta (57%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7511, 0.4159, 0.2733 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 34.7511, 0.4159, 0.2733 by changing the saturation by 10% instead.

 34.7511, 0.4159,
0.2733


 34.7511, 0.4159,
0.2733


323.4683, 0.3623,
0.3020

 23.4712, 0.4298,
0.2659


 67.1000, 0.3960,
0.2839

 14.9418, 0.4480,
0.2564


 88.9378, 0.3887,
0.2878

 8.7786, 0.4726,
0.2435


 115.0637, 0.3825,
0.2911

 4.5970, 0.5077,
0.2253

145.8621, 0.3773,
0.2939

 2.0128, 0.5610,
0.1981

181.7173, 0.3727,
0.2964

 0.6149, 0.6543,
0.1488

223.0139, 0.3688,


 0.0000, 1.0000,


0.2985


0.0000


270.1361, 0.3654,
0.3003

 0.0000, 0.0000,
0.0000

 34.7511, 0.4159,
0.2733


 34.7511, 0.4159,
0.2733


 29.5185, 0.4455,
0.2673


 41.6145, 0.3896,
0.2819


 25.7722, 0.4773,
0.2651


 50.2263, 0.3671,
0.2919

 23.3512, 0.5093,
0.2680

 60.6991, 0.3482,
0.3024

 22.0520, 0.5391,
0.2762

 73.1349, 0.3326,
0.3128

 21.7570, 0.5488,
0.2797

 87.6278, 0.3198,
0.3228

99.6279, 0.3115,
0.3290

Harmonies

Analogous

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



34.7511, 0.3217, 0.2260



34.7511, 0.4159, 0.2733



34.7511, 0.4813, 0.3329

Triad

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



34.7511, 0.4159, 0.2733



34.7511, 0.3691, 0.4985



34.7511, 0.1607, 0.2243

Complementary

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



34.7511, 0.4159, 0.2733



77.6596, 0.2653, 0.3980

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.



34.7511, 0.1685, 0.2887



34.7511, 0.4159, 0.2733



34.7511, 0.2833, 0.4756

Square

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



34.7511, 0.4159, 0.2733



34.7511, 0.4448, 0.4599



34.7511, 0.2103, 0.3868



34.7511, 0.1838, 0.1968

Rectangle

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



34.7511, 0.4159, 0.2733



34.7511, 0.4933, 0.3758



34.7511, 0.2103, 0.3868



34.7511, 0.1597, 0.2414

Sweetspot

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



34.7529, 0.4159, 0.2733



73.7916, 0.3333, 0.3123



29.9522, 0.2671, 0.1739



15.2188, 0.3362, 0.3103



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.



34.7529, 0.4159, 0.2733



29.3820, 0.4502, 0.2667



36.5008, 0.4762, 0.3437



18.1027, 0.3234, 0.3199



11.5973, 0.5446, 0.2774



1.1498, 0.5140, 0.2605

Inverse Universe

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



34.7529, 0.4159, 0.2733



29.3820, 0.4502, 0.2667



71.9787, 0.2380, 0.3118



18.1027, 0.3234, 0.3199



11.5973, 0.5446, 0.2774



1.1498, 0.5140, 0.2605

Previews

White Background



This preview shows how the Yxy color 34.7511, 0.4159, 0.2733 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 34.7511, 0.4159, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

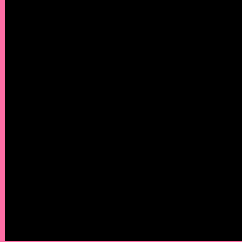
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7511, 0.4159, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 34.7511, 0.4159, 0.2733.



This preview shows how white text looks on a background with the Yxy color 34.7511, 0.4159, 0.2733.

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

34.7511, 0.4159, 0.2733

Protanopia

34.9732, 0.2757, 0.2768

Deuteranopia

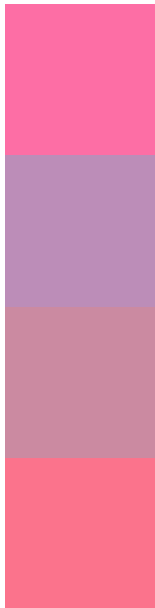
34.6938, 0.3300, 0.3234



Tritanopia

34.7872, 0.4587, 0.3212

Trichromacy



Original Color

34.7511, 0.4159, 0.2733

Protanomaly

33.2018, 0.3194, 0.2725

Deuteranomaly

33.4467, 0.3596, 0.2996

Tritanomaly

34.6641, 0.4437, 0.3037

Monochromacy



Original Color

34.7511, 0.4159, 0.2733

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

32.9604, 0.3482, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7511, 0.4159, 0.2733 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, 110, 165)` looks like.

```
.text, #text, p{  
    color:rgb(253, 110, 165)  
}
```

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, 110, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 110, 165) }
```

Border

The CSS property to change the border of an element to Yxy 34.7511, 0.4159, 0.2733 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, 110, 165) }
```

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

```
.border{ border-color:rgb(253, 110, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 110, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 110, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 110, 165); box-shadow:4px 4px 4px 4px rgb(253, 110, 165) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7511, 0.4159, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 110, 165) }
```

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

```
.background{ background-color: rgb(253,  
110, 165) }
```

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