

Converting Colors

$Y_{xy}(34.2236, 0.3962, 0.2481)$

Have a look what the booklet for
Yxy(34.2236, 0.3962, 0.2481)
contains.

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Color

Yxy(34.2234, 0.3961, 0.2481)

Conversions

Conversions Part 1

Format	Color
Hex	FF66B8
RGB	255, 102, 184
RGB Percent	100%, 40%, 72%
CMY	0.0001, 0.5999, 0.2784
CMYK	0.00, 0.60, 0.28, 0.00
HSL	328°, 100%, 70%
HSV	328°, 60%, 100%
XYZ	54.6388, 34.2234, 49.0797
YIQ	157.0950, 64.8660, 57.9380

Conversions

Conversions Part 2

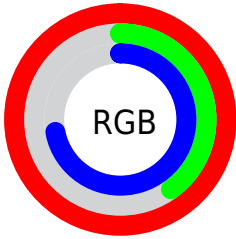
Format	Color
R _Y B	255, 102, 184
Decimal	16737976
CIE Lab	65.14, 66.00, -13.45
CIE LCh	65, 67.360, 348.480
Yxy	34.2234, 0.3961, 0.2481
Android (android.graphics.Color)	4294928056 (0xFFFF66B8)
YUV	157.0950, 13.2642, 85.8627
Hunter-Lab	58.5008, 64.3399, -8.7913

Details

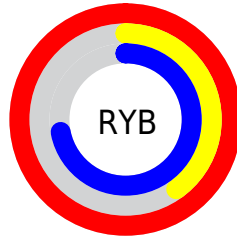
The Yxy color **34.2234, 0.3961, 0.2481** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.3510, 0.2740, 0.4345**, and the grayscale version is **33.6833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3475, 0.3294, 0.2486**, and **14.6918, 0.4212, 0.2264** is the 20% darker color. If you saturate the color by 10%, you get **29.4837, 0.4175, 0.2399**, and if you desaturate by 10%, it is **40.5488, 0.3766, 0.2595**.

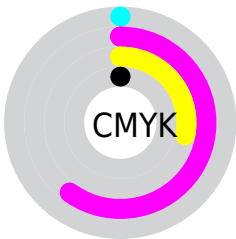
Distribution



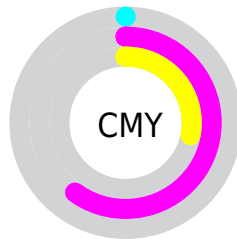
- Red (100%)
- Green (40%)
- Blue (72%)



- Red (100%)
- Yellow (40%)
- Blue (72%)



- Cyan (0%)
- Magenta (60%)
- Yellow (28%)
- Black (0%)



- Cyan (0%)
- Magenta (60%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2234, 0.3961, 0.2481 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 34.2234, 0.3961, 0.2481 by changing the saturation by 10% instead.

 34.2234, 0.3961,
0.2481


 34.2234, 0.3961,
0.2481


321.1270, 0.3538,
0.2879


 23.0653, 0.4068,
0.2385


 66.2809, 0.3806,
0.2624


 14.6417, 0.4205,
0.2263


 87.9491, 0.3749,
0.2678

 8.5683, 0.4388,
0.2104


 113.8894, 0.3700,
0.2724

 4.4607, 0.4643,
0.1891

 144.4863, 0.3658,
0.2763

 1.9345, 0.5020,
0.1591

180.1241, 0.3622,
0.2798

 0.5690, 0.5662,
0.1092

221.1872, 0.3591,

 0.0000, 0.7607,

0.2828

0.0000

268.0601, 0.3563,
0.2855

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.2234, 0.3961,
0.2481

■ 34.2234, 0.3961,
0.2481

■ 29.4837, 0.4175,
0.2399

■ 40.5488, 0.3766,
0.2595

■ 26.1769, 0.4401,
0.2361


■ 48.5836, 0.3593,
0.2729


■ 24.1292, 0.4627,
0.2377

■ 58.4451, 0.3445,
0.2872

■ 23.0544, 0.4845,
0.2443

■ 70.2386, 0.3319,
0.3016

 23.0532, 0.4846,
0.2443

 84.0615, 0.3214,
0.3157

99.9962, 0.3127,
0.3290

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



34.2234, 0.2892, 0.2031



34.2234, 0.3961, 0.2481



34.2234, 0.4861, 0.3091

Triad

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



34.2234, 0.3961, 0.2481



34.2234, 0.4011, 0.5098



34.2234, 0.1443, 0.2287

Complementary

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



34.2234, 0.3961, 0.2481



77.3510, 0.2740, 0.4345

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.



34.2234, 0.1629, 0.3138



34.2234, 0.3961, 0.2481



34.2234, 0.3072, 0.5156

Square

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



34.2234, 0.3961, 0.2481



34.2234, 0.4784, 0.4495



34.2234, 0.2196, 0.4326



34.2234, 0.1589, 0.1881

Rectangle

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



34.2234, 0.3961, 0.2481



34.2234, 0.5132, 0.3543



34.2234, 0.2196, 0.4326



34.2234, 0.1466, 0.2518

Sweetspot

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



34.2251, 0.3961, 0.2481



72.8335, 0.3297, 0.3045



25.3679, 0.2437, 0.1563



14.7857, 0.3330, 0.3003



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.



34.2251, 0.3961, 0.2481



28.7127, 0.4220, 0.2387



31.8826, 0.4932, 0.3223



18.1499, 0.3210, 0.3163



12.0783, 0.4812, 0.2424



1.1981, 0.4578, 0.2296

Inverse Universe

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



34.2251, 0.3961, 0.2481



28.7127, 0.4220, 0.2387



81.0702, 0.2420, 0.3378



18.1499, 0.3210, 0.3163



12.0783, 0.4812, 0.2424



1.1981, 0.4578, 0.2296

Previews

White Background



This preview shows how the Yxy color 34.2234, 0.3961, 0.2481 looks on a white background.

Color Contrast Check

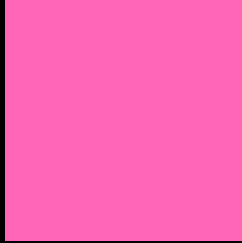
Large Text (above 18pt) WCAG AA × Fail

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 34.2234, 0.3961, 0.2481 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 34.2234, 0.3961, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 34.2234, 0.3961, 0.2481.



This preview shows how white text looks on a background with the Yxy color 34.2234, 0.3961, 0.2481.

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

34.2234, 0.3961, 0.2481

Protanopia

34.4541, 0.2471, 0.2394

Deuteranopia

34.3528, 0.3045, 0.2979



Tritanopia

34.2700, 0.4623, 0.3213

Trichromacy



Original Color

34.2234, 0.3961, 0.2481



Protanomaly

31.9861, 0.2907, 0.2369



Deuteranomaly

32.5884, 0.3355, 0.2727



Tritanomaly

34.1396, 0.4389, 0.2937

Monochromacy



Original Color

34.2234, 0.3961, 0.2481



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.0188, 0.3426, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2234, 0.3961, 0.2481 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, 102, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 184)  
}
```

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, 102, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 184) }
```

Border

The CSS property to change the border of an element to Yxy 34.2234, 0.3961, 0.2481 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, 102, 184) }
```

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

```
.border{ border-color:rgb(255, 102, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 102, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 102, 184); box-shadow:4px 4px 4px 4px rgb(255, 102, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2234, 0.3961, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 184) }
```

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

```
.background{ background-color: rgb(255,  
102, 184) }
```

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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