

Converting Colors

Yxy(34.1031, 0.3323, 0.2045)

Have a look what the booklet for
Yxy(34.1031, 0.3323, 0.2045)
contains.

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Color

Yxy(34.1792, 0.3327, 0.2050)

Conversions

Conversions Part 1

Format	Color
Hex	F267E4
RGB	242, 103, 228
RGB Percent	95%, 40%, 89%
CMY	0.0510, 0.5960, 0.1058
CMYK	0.00, 0.57, 0.06, 0.05
HSL	306°, 84%, 68%
HSV	306°, 57%, 95%
XYZ	55.4703, 34.1792, 77.0783
YIQ	158.8110, 42.7190, 68.3430

Conversions

Conversions Part 2

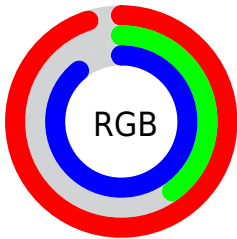
Format	Color
R _Y B	242, 103, 228
Decimal	15886308
CIE Lab	65.10, 68.25, -38.41
CIE LCh	65, 78.318, 330.630
Yxy	34.1792, 0.3327, 0.2050
Android (android.graphics.Color)	4294076388 (0xFFFF267E4)
YUV	158.8110, 34.1102, 72.9568
Hunter-Lab	58.4630, 67.0526, -37.2445

Details

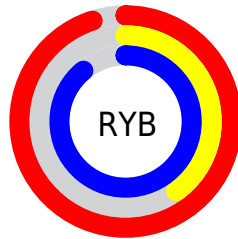
The Yxy color **34.1792, 0.3327, 0.2050** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **67.6681, 0.2983, 0.4976**, and the grayscale version is **34.4094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **14.6317, 0.3354, 0.1767** is the 20% darker color. If you saturate the color by 10%, you get **29.9086, 0.3367, 0.1898**, and if you desaturate by 10%, it is **39.8475, 0.3287, 0.2236**.

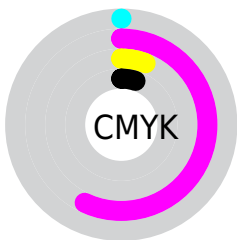
Distribution



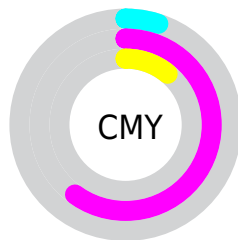
- Red (95%)
- Green (40%)
- Blue (89%)



- Red (95%)
- Yellow (40%)
- Blue (89%)



- Cyan (0%)
- Magenta (57%)
- Yellow (6%)
- Black (5%)




- Cyan (5%)
- Magenta (60%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1792, 0.3327, 0.2050 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 34.1792, 0.3327, 0.2050 by changing the saturation by 10% instead.


 34.1792, 0.3327,
0.2050


 34.1792, 0.3327,
0.2050

320.9304, 0.3252,
0.2624


 23.0313, 0.3339,
0.1922


 66.2122, 0.3305,
0.2247


 14.6166, 0.3350,
0.1765


 87.8662, 0.3295,
0.2325

 8.5508, 0.3359,
0.1572


 113.7909, 0.3287,
0.2392

 4.4493, 0.3360,
0.1330

 144.3708, 0.3278,
0.2450

 1.9280, 0.3343,
0.1023

179.9903, 0.3271,
0.2501

 0.5651, 0.3290,
0.0606

221.0338, 0.3264,

 0.0000, 0.3145,

0.2547

0.0000

267.8857, 0.3258,
0.2587

■ 0.0000, 0.0999,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1792, 0.3327,
0.2050

■ 34.1792, 0.3327,
0.2050

■ 29.9086, 0.3367,
0.1898

■ 39.8475, 0.3287,
0.2236

■ 26.9069, 0.3406,
0.1787


■ 47.0179, 0.3248,
0.2446

■ 25.0302, 0.3443,
0.1720

■ 55.7902, 0.3211,
0.2670


■ 24.0868, 0.3476,
0.1696


■ 66.2545, 0.3178,
0.2899


 23.9192, 0.3485,
0.1693

 78.4940, 0.3147,
0.3126

 92.5866, 0.3121,
0.3345

 96.9916, 0.3104,
0.3388

 97.1414, 0.3090,
0.3363

 97.2931, 0.3076,
0.3339

Harmonies

Analogous

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



34.1792, 0.2244, 0.1707



34.1792, 0.3327, 0.2050



34.1792, 0.4573, 0.2623

Triad

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



34.1792, 0.3327, 0.2050



34.1792, 0.4633, 0.4911



34.1792, 0.1311, 0.2623

Complementary

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



34.1792, 0.3327, 0.2050



67.6681, 0.2983, 0.4976

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.



34.1792, 0.1739, 0.3917



34.1792, 0.3327, 0.2050



34.1792, 0.3646, 0.5518

Square

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



34.1792, 0.3327, 0.2050



34.1792, 0.5314, 0.4089



34.1792, 0.2592, 0.5233



34.1792, 0.1275, 0.1902

Rectangle

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



34.1792, 0.3327, 0.2050



34.1792, 0.5184, 0.3081



34.1792, 0.2592, 0.5233



34.1792, 0.1406, 0.2996

Sweetspot

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



34.1808, 0.3327, 0.2050



75.1144, 0.3177, 0.2908



19.8891, 0.2098, 0.1479



15.5322, 0.3183, 0.2862



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.



34.1808, 0.3327, 0.2050



32.9910, 0.3374, 0.1875



31.0684, 0.4152, 0.2705



16.0024, 0.3153, 0.3080



12.8623, 0.3480, 0.1691



1.0779, 0.3440, 0.1668

Inverse Universe

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



34.1808, 0.3327, 0.2050



32.9910, 0.3374, 0.1875



69.9461, 0.2659, 0.4021



16.0024, 0.3153, 0.3080



12.8623, 0.3480, 0.1691



1.0779, 0.3440, 0.1668

Previews

White Background



This preview shows how the Yxy color 34.1792, 0.3327, 0.2050 looks on a white background.

Color Contrast Check

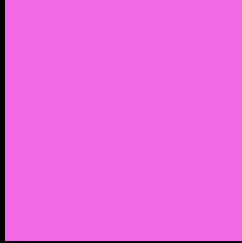
Large Text (above 18pt) WCAG AA × Fail

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 34.1792, 0.3327, 0.2050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

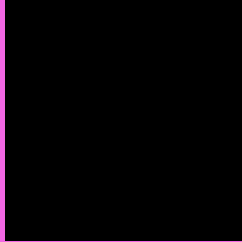
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1792, 0.3327, 0.2050

Background



This preview shows how black text looks on a background with the Yxy color 34.1792, 0.3327, 0.2050.

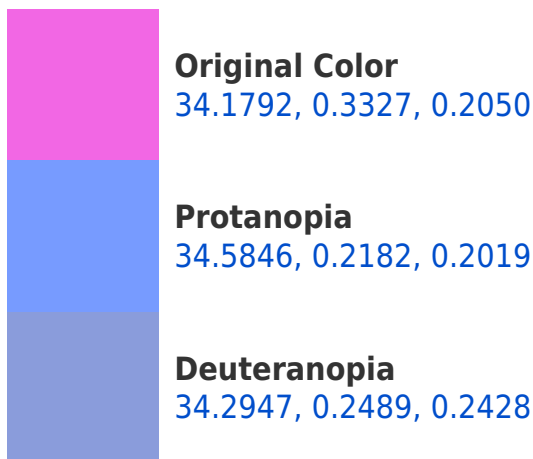


This preview shows how white text looks on a background with the Yxy color 34.1792, 0.3327, 0.2050.

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





Tritanopia

34.1121, 0.4238, 0.3191

Trichromacy



Original Color

34.1792, 0.3327, 0.2050



Protanomaly

32.0934, 0.2489, 0.1967



Deuteranomaly

32.3954, 0.2748, 0.2224



Tritanomaly

33.6543, 0.3909, 0.2728

Monochromacy



Original Color

34.1792, 0.3327, 0.2050



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.7447, 0.3206, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1792, 0.3327, 0.2050 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(242, 103, 228)` looks like.

```
.text, #text, p{  
    color:rgb(242, 103, 228)  
}
```

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(242, 103, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 103, 228) }
```

Border

The CSS property to change the border of an element to Yxy 34.1792, 0.3327, 0.2050 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(242, 103, 228) }
```

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

```
.border{ border-color:rgb(242, 103, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 103, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 103, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 103, 228);  
box-shadow:4px 4px 4px 4px rgb(242, 103,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1792, 0.3327, 0.2050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 103, 228) }
```

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

```
.background{ background-color: rgb(242,  
103, 228) }
```

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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