

Converting Colors

$Y_{xy}(31.8773, 0.3522, 0.2117)$

Have a look what the booklet for
Yxy(31.8773, 0.3522, 0.2117)
contains.

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Color

Yxy(31.9920, 0.3526, 0.2121)

Conversions

Conversions Part 1

Format	Color
Hex	F45ED4
RGB	244, 94, 212
RGB Percent	96%, 37%, 83%
CMY	0.0433, 0.6312, 0.1686
CMYK	0.00, 0.61, 0.13, 0.04
HSL	313°, 87%, 66%
HSV	313°, 61%, 96%
XYZ	53.1842, 31.9920, 65.6583
YIQ	152.3020, 51.5220, 68.4980

Conversions

Conversions Part 2

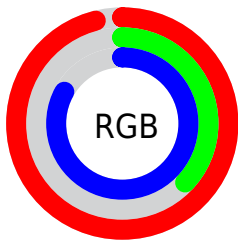
Format	Color
R_{YB}	244, 94, 212
Decimal	16015060
CIE _{Lab}	63.34, 70.05, -32.18
CIE _{LCh}	63, 77.092, 335.326
Yxy	31.9920, 0.3526, 0.2121
Android (android.graphics.Color)	4294205140 (0xFFFF45ED4)
YUV	152.3020, 29.4311, 80.4191
Hunter-Lab	56.5615, 68.8594, -29.2326

Details

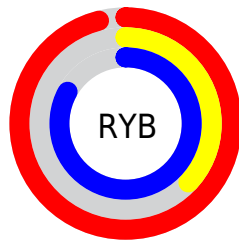
The Yxy color **31.9920, 0.3526, 0.2121** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **68.5669, 0.2906, 0.4893**, and the grayscale version is **31.3973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9365, 0.3174, 0.2293**, and **13.3199, 0.3608, 0.1834** is the 20% darker color. If you saturate the color by 10%, you get **28.0582, 0.3611, 0.1998**, and if you desaturate by 10%, it is **37.3081, 0.3444, 0.2279**.

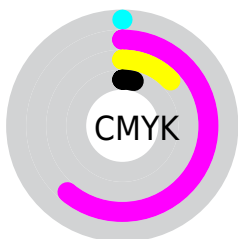
Distribution



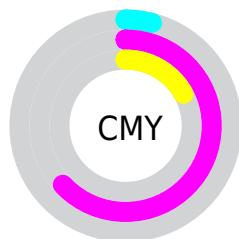
- Red (96%)
- Green (37%)
- Blue (83%)



- Red (96%)
- Yellow (37%)
- Blue (83%)



- Cyan (0%)
- Magenta (61%)
- Yellow (13%)
- Black (4%)





- Cyan (4%)
- Magenta (63%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9920, 0.3526, 0.2121 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 31.9920, 0.3526, 0.2121 by changing the saturation by 10% instead.


 31.9920, 0.3526,
0.2121


 31.9920, 0.3526,
0.2121


311.0828, 0.3344,
0.2673

 21.3554, 0.3566,
0.1994


 62.7985, 0.3464,
0.2313

 13.3840, 0.3613,
0.1839


 83.7373, 0.3440,
0.2388

 7.6935, 0.3670,
0.1644


 108.8788, 0.3419,
0.2452

 3.8995, 0.3740,
0.1394

 138.6076, 0.3400,
0.2508

 1.6175, 0.3820,
0.1071

173.3080, 0.3384,
0.2557

 0.3693, 0.3954,
0.0532

213.3644, 0.3369,

 0.0000, 0.3998,

0.2600

0.0000

259.1612, 0.3356,
0.2638

0.0000, 0.0000,
0.0000

31.9920, 0.3526,
0.2121

31.9920, 0.3526,
0.2121

28.0582, 0.3611,
0.1998

37.3081, 0.3444,
0.2279

25.3677, 0.3696,
0.1919

44.1187, 0.3367,
0.2462


23.7609, 0.3779,
0.1888


52.5297, 0.3297,
0.2660


23.0296, 0.3847,
0.1893

62.6363, 0.3235,
0.2864

74.5260, 0.3180,
0.3067

 88.2804, 0.3133,
0.3262

 97.5489, 0.3097,
0.3354

 97.8770, 0.3067,
0.3303

 97.9662, 0.3059,
0.3290

Harmonies

Analogous

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



31.9920, 0.2383, 0.1736



31.9920, 0.3526, 0.2121



31.9920, 0.4752, 0.2724

Triad

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



31.9920, 0.3526, 0.2121



31.9920, 0.4496, 0.5040



31.9920, 0.1274, 0.2466

Complementary

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



31.9920, 0.3526, 0.2121



68.5669, 0.2906, 0.4893

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.



31.9920, 0.1635, 0.3687



31.9920, 0.3526, 0.2121



31.9920, 0.3479, 0.5566

Square

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



31.9920, 0.3526, 0.2121



31.9920, 0.5250, 0.4217



31.9920, 0.2432, 0.5090



31.9920, 0.1291, 0.1828

Rectangle

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



31.9920, 0.3526, 0.2121



31.9920, 0.5290, 0.3191



31.9920, 0.2432, 0.5090



31.9920, 0.1347, 0.2808

Sweetspot

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



31.9935, 0.3526, 0.2121



73.5157, 0.3216, 0.2934



18.8306, 0.2119, 0.1393



14.9530, 0.3232, 0.2874



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.



31.9935, 0.3526, 0.2121



30.0860, 0.3634, 0.1972



29.1049, 0.4476, 0.2834



16.7042, 0.3171, 0.3106



12.5476, 0.3835, 0.1886



1.1176, 0.3741, 0.1834

Inverse Universe

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



31.9935, 0.3526, 0.2121



30.0860, 0.3634, 0.1972



71.1832, 0.2573, 0.3874



16.7042, 0.3171, 0.3106



12.5476, 0.3835, 0.1886



1.1176, 0.3741, 0.1834

Previews

White Background



This preview shows how the Yxy color 31.9920, 0.3526, 0.2121 looks on a white background.

Color Contrast Check

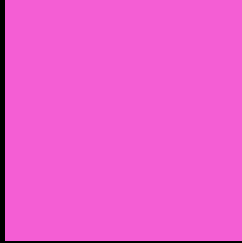
Large Text (above 18pt) WCAG AA × Fail

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 31.9920, 0.3526, 0.2121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

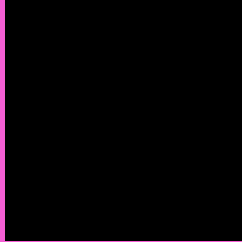
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9920, 0.3526, 0.2121

Background



This preview shows how black text looks on a background with the Yxy color 31.9920, 0.3526, 0.2121.



This preview shows how white text looks on a background with the Yxy color 31.9920, 0.3526, 0.2121.

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

31.9920, 0.3526, 0.2121

Protanopia

32.4122, 0.2128, 0.1942

Deuteranopia

32.1958, 0.2616, 0.2552



Tritanopia

31.8654, 0.4459, 0.3206

Trichromacy



Original Color

31.9920, 0.3526, 0.2121



Protanomaly

29.5682, 0.2478, 0.1935



Deuteranomaly

30.0052, 0.2903, 0.2310



Tritanomaly

31.5487, 0.4111, 0.2770

Monochromacy



Original Color

31.9920, 0.3526, 0.2121



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.6029, 0.3274, 0.2710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9920, 0.3526, 0.2121 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(244, 94, 212)` looks like.

```
.text, #text, p{  
    color:rgb(244, 94, 212)  
}
```

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(244, 94, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 94, 212) }
```

Border

The CSS property to change the border of an element to Yxy 31.9920, 0.3526, 0.2121 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(244, 94, 212) }
```

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

```
.border{ border-color:rgb(244, 94, 212) }
```

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

Here you see how a box with a 4 pixel rgb(244, 94, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 94, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 94, 212);  
box-shadow:4px 4px 4px 4px rgb(244, 94,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9920, 0.3526, 0.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 94, 212) }
```

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

```
.background{ background-color: rgb(244, 94,  
212) }
```

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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