

Converting Colors

$Y_{xy}(33.7701, 0.3228, 0.2011)$

Have a look what the booklet for
Yxy(33.7701, 0.3228, 0.2011)
contains.

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Color

Yxy(33.7622, 0.3227, 0.2010)

Conversions

Conversions Part 1

Format	Color
Hex	EC69E8
RGB	236, 105, 232
RGB Percent	93%, 41%, 91%
CMY	0.0746, 0.5881, 0.0902
CMYK	0.00, 0.55, 0.02, 0.07
HSL	302°, 77%, 67%
HSV	302°, 55%, 93%
XYZ	54.2043, 33.7622, 80.0047
YIQ	158.6470, 37.3090, 67.2690

Conversions

Conversions Part 2

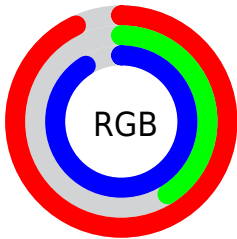
Format	Color
R _Y B	236, 105, 232
Decimal	15493608
CIE Lab	64.77, 66.48, -41.21
CIE LCh	65, 78.213, 328.205
Yxy	33.7622, 0.3227, 0.2010
Android (android.graphics.Color)	4293683688 (0xFFEC69E8)
YUV	158.6470, 36.1630, 67.8386
Hunter-Lab	58.1052, 64.8320, -40.9623

Details

The Yxy color **33.7622, 0.3227, 0.2010** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **64.0889, 0.3026, 0.5028**, and the grayscale version is **34.3242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3207, 0.3170, 0.2384**, and **14.3585, 0.3215, 0.1716** is the 20% darker color. If you saturate the color by 10%, you get **29.5634, 0.3244, 0.1844**, and if you desaturate by 10%, it is **39.2976, 0.3209, 0.2210**.

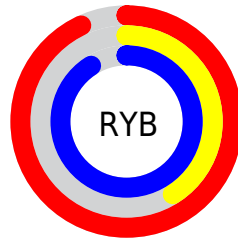
Distribution



Red (93%)

Green (41%)

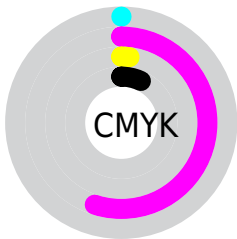
Blue (91%)



Red (93%)

Yellow (41%)

Blue (91%)

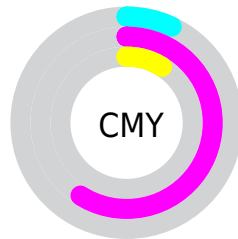


Cyan (0%)

Magenta (55%)

Yellow (2%)

Black (7%)



Cyan (7%)


Magenta (59%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7622, 0.3227, 0.2010 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 33.7622, 0.3227, 0.2010 by changing the saturation by 10% instead.

 33.7622, 0.3227,
0.2010


 33.7622, 0.3227,
0.2010

319.0704, 0.3204,
0.2601


 22.7110, 0.3225,
0.1878


 65.5637, 0.3224,
0.2213

 14.3802, 0.3220,
0.1719


 87.0828, 0.3222,
0.2293

 8.3856, 0.3206,
0.1522


 112.8599, 0.3219,
0.2361

 4.3427, 0.3176,
0.1277

 143.2795, 0.3216,
0.2422

 1.8670, 0.3115,
0.0969

178.7259, 0.3213,
0.2474

 0.5284, 0.2997,
0.0548

219.5837, 0.3210,

 0.0000, 0.2735,

0.2521

0.0000

266.2370, 0.3207,
0.2563

■ 0.0000, 0.0193,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.7622, 0.3227,
0.2010

■ 33.7622, 0.3227,
0.2010

■ 29.5634, 0.3244,
0.1844

■ 39.2976, 0.3209,
0.2210

■ 26.5834, 0.3259,
0.1717


■ 46.2654, 0.3190,
0.2435

■ 24.6916, 0.3273,
0.1635

■ 54.7580, 0.3171,
0.2674


■ 23.7252, 0.3283,
0.1594

■ 64.8585, 0.3153,
0.2918

 23.4762, 0.3288,
0.1585

 76.6443, 0.3136,
0.3160

 90.1876, 0.3120,
0.3394

 95.4653, 0.3112,
0.3470

 95.5074, 0.3108,
0.3462

 95.5495, 0.3104,
0.3455

Harmonies

Analogous

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



33.7622, 0.2172, 0.1688



33.7622, 0.3227, 0.2010



33.7622, 0.4484, 0.2569

Triad

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



33.7622, 0.3227, 0.2010



33.7622, 0.4706, 0.4848



33.7622, 0.1326, 0.2705

Complementary

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



33.7622, 0.3227, 0.2010



64.0889, 0.3026, 0.5028

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.



33.7622, 0.1790, 0.4039



33.7622, 0.3227, 0.2010



33.7622, 0.3731, 0.5497

Square

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



33.7622, 0.3227, 0.2010



33.7622, 0.5350, 0.4024



33.7622, 0.2673, 0.5309



33.7622, 0.1262, 0.1937

Rectangle

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



33.7622, 0.3227, 0.2010



33.7622, 0.5133, 0.3023



33.7622, 0.2673, 0.5309



33.7622, 0.1432, 0.3095

Sweetspot

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



33.7637, 0.3227, 0.2010



75.3076, 0.3156, 0.2880



19.3014, 0.2065, 0.1517



15.5784, 0.3159, 0.2830



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.



33.7637, 0.3227, 0.2010



34.5141, 0.3247, 0.1818



30.7765, 0.3954, 0.2604



15.3054, 0.3143, 0.3065



12.9465, 0.3286, 0.1584



1.0191, 0.3275, 0.1578

Inverse Universe

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



33.7637, 0.3227, 0.2010



34.5141, 0.3247, 0.1818



65.9897, 0.2723, 0.4146



15.3054, 0.3143, 0.3065



12.9465, 0.3286, 0.1584



1.0191, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 33.7622, 0.3227, 0.2010 looks on a white background.

Color Contrast Check

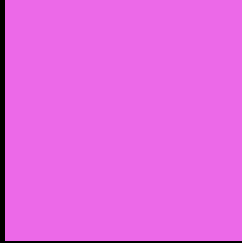
Large Text (above 18pt) WCAG AA × Fail

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 33.7622, 0.3227, 0.2010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

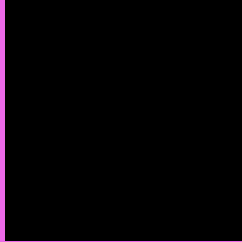
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7622, 0.3227, 0.2010

Background



This preview shows how black text looks on a background with the Yxy color 33.7622, 0.3227, 0.2010.

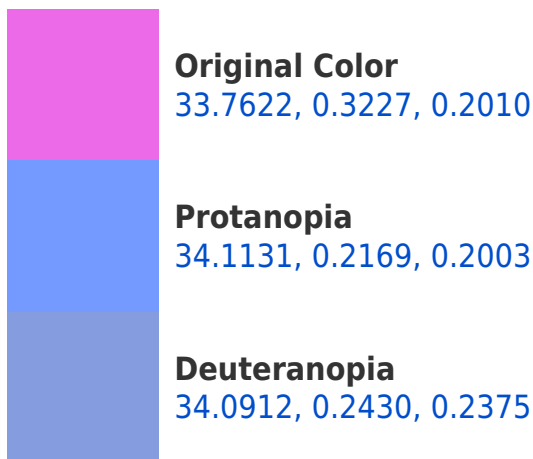


This preview shows how white text looks on a background with the Yxy color 33.7622, 0.3227, 0.2010.

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

33.5721, 0.4120, 0.3175

Trichromacy



Original Color

33.7622, 0.3227, 0.2010



Protanomaly

31.7973, 0.2446, 0.1940



Deuteranomaly

31.9284, 0.2666, 0.2169



Tritanomaly

33.1081, 0.3782, 0.2688

Monochromacy



Original Color

33.7622, 0.3227, 0.2010



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.5752, 0.3166, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7622, 0.3227, 0.2010 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(236, 105, 232)` looks like.

```
.text, #text, p{  
    color:rgb(236, 105, 232)  
}
```

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(236, 105, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 105, 232) }
```

Border

The CSS property to change the border of an element to Yxy 33.7622, 0.3227, 0.2010 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(236, 105, 232) }
```

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

```
.border{ border-color:rgb(236, 105, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 105, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 105, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 105, 232);  
box-shadow:4px 4px 4px 4px rgb(236, 105,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7622, 0.3227, 0.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 105, 232) }
```

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

```
.background{ background-color: rgb(236,  
105, 232) }
```

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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