

Converting Colors

$Y_{xy}(28.3041, 0.3131, 0.1551)$

Have a look what the booklet for
Yxy(28.3041, 0.3131, 0.1551)
contains.

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Color

Yxy(28.2559, 0.3128, 0.1550)

Conversions

Conversions Part 1

Format	Color
Hex	F724FF
RGB	247, 36, 255
RGB Percent	97%, 14%, 100%
CMY	0.0315, 0.8581, 0.0002
CMYK	0.03, 0.86, 0.00, 0.00
HSL	298°, 100%, 57%
HSV	298°, 86%, 100%
XYZ	57.0222, 28.2559, 97.0180
YIQ	124.0550, 55.4570, 112.8410

Conversions

Conversions Part 2

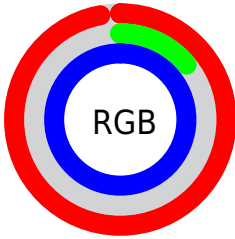
Format	Color
R _{YB}	247, 36, 255
Decimal	16196863
CIE _{Lab}	60.12, 93.60, -61.21
CIE _{LCh}	60, 111.841, 326.816
Yxy	28.2559, 0.3128, 0.1550
Android (android.graphics.Color)	4294386943 (0xFFFF724FF)
YUV	124.0550, 64.5559, 107.8228
Hunter-Lab	53.1563, 98.4585, -71.0035

Details

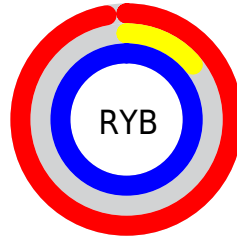
The Yxy color **28.2559, 0.3128, 0.1550** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.1593, 0.3019, 0.5870**, and the grayscale version is **19.9746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5146, 0.3189, 0.1978**, and **14.4703, 0.3069, 0.1464** is the 20% darker color. If you saturate the color by 10%, you get **27.0476, 0.3120, 0.1502**, and if you desaturate by 10%, it is **30.5645, 0.3135, 0.1640**.

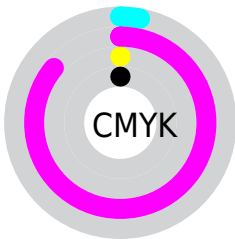
Distribution



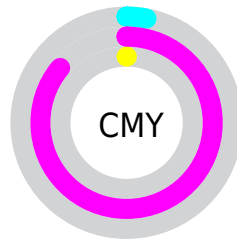
- Red (97%)
- Green (14%)
- Blue (100%)



- Red (97%)
- Yellow (14%)
- Blue (100%)



- Cyan (3%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2559, 0.3128, 0.1550 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 28.2559, 0.3128, 0.1550 by changing the saturation by 10% instead.


 28.2559, 0.3128,
0.1550


 28.2559, 0.3128,
0.1550


293.6877, 0.3180,
0.2314

 18.5187, 0.3103,
0.1392


 56.8927, 0.3157,
0.1803

 11.3230, 0.3065,
0.1209


 76.5611, 0.3165,
0.1905


 6.2845, 0.3006,
0.0994


 100.3087, 0.3171,
0.1995

 3.0188, 0.2914,
0.0747

 128.5198, 0.3174,
0.2074

 1.1416, 0.2762,
0.0473

 161.5788, 0.3177,
0.2144

 0.0132, 0.2555,
0.0010

199.8702, 0.3179,

 0.0000, 0.2070,

0.2207

0.0000

243.7784, 0.3180,
0.2263

■ 0.0000, 0.0805,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.2559, 0.3128,
0.1550

■ 28.2559, 0.3128,
0.1550

■ 27.0476, 0.3120,
0.1502

■ 30.5645, 0.3135,
0.1640

■ 26.7448, 0.3116,
0.1490

■ 34.1694, 0.3139,
0.1774

■ 39.2330, 0.3142,
0.1949

■ 45.8931, 0.3143,
0.2158

54.2716, 0.3142,
0.2393

64.4785, 0.3139,
0.2642

76.6147, 0.3135,
0.2896

90.7737, 0.3130,
0.3148

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



28.2559, 0.1738, 0.1190



28.2559, 0.3128, 0.1550



28.2559, 0.5042, 0.2203

Triad

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



28.2559, 0.3128, 0.1550



28.2559, 0.5014, 0.4986



28.2559, 0.0761, 0.2376

Complementary

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



28.2559, 0.3128, 0.1550



72.1593, 0.3019, 0.5870

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.



28.2559, 0.1232, 0.4516



28.2559, 0.3128, 0.1550



28.2559, 0.3633, 0.6307

Square

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



28.2559, 0.3128, 0.1550



28.2559, 0.6077, 0.3827



28.2559, 0.2294, 0.6612



28.2559, 0.0732, 0.1431

Rectangle

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



28.2559, 0.3128, 0.1550



28.2559, 0.6020, 0.2715



28.2559, 0.2294, 0.6612



28.2559, 0.0855, 0.2942

Sweetspot

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



28.2572, 0.3128, 0.1550



64.2897, 0.3139, 0.2637



9.6384, 0.1586, 0.0772



12.9606, 0.3140, 0.2550



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.



28.2572, 0.3128, 0.1550



26.7555, 0.3116, 0.1490



24.9420, 0.4485, 0.2335



18.2645, 0.3132, 0.3055



13.9953, 0.3118, 0.1491



1.3728, 0.3129, 0.1497

Inverse Universe

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



22.7076, 0.6082, 0.3264



21.2804, 0.6375, 0.3286



73.6087, 0.2735, 0.4931



17.9978, 0.3289, 0.3282



11.1241, 0.6364, 0.3279



1.0867, 0.6277, 0.3231

Previews

White Background



This preview shows how the Yxy color 28.2559, 0.3128, 0.1550 looks on a white background.

Color Contrast Check

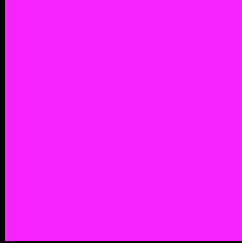
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2559, 0.3128, 0.1550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

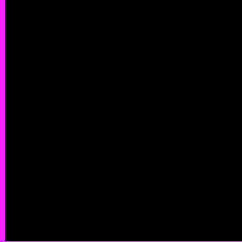
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2559, 0.3128, 0.1550

Background



This preview shows how black text looks on a background with the Yxy color 28.2559, 0.3128, 0.1550.



This preview shows how white text looks on a background with the Yxy color 28.2559, 0.3128, 0.1550.

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

28.2559, 0.3128, 0.1550

Protanopia

28.7397, 0.2007, 0.1806

Deuteranopia

28.6429, 0.2040, 0.1982



Tritanopia

28.0373, 0.4681, 0.3218

Trichromacy



Original Color

28.2559, 0.3128, 0.1550



Protanomaly

23.3237, 0.2251, 0.1499



Deuteranomaly

22.6514, 0.2270, 0.1568



Tritanomaly

26.2408, 0.4107, 0.2431

Monochromacy



Original Color

28.2559, 0.3128, 0.1550



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.0679, 0.3142, 0.2168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2559, 0.3128, 0.1550 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(247, 36, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 36, 255)  
}
```

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(247, 36, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 36, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.2559, 0.3128, 0.1550 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(247, 36, 255) }
```

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

```
.border{ border-color:rgb(247, 36, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 36, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 36, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 36, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 36,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2559, 0.3128, 0.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 36, 255) }
```

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

```
.background{ background-color: rgb(247, 36,  
255) }
```

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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