

Converting Colors

$Y_{xy}(30.4025, 0.3511, 0.1868)$

Have a look what the booklet for
Yxy(30.4025, 0.3511, 0.1868)
contains.

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Color

Yxy(30.2513, 0.3495, 0.1861)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF3EE3 |
| RGB | 255, 62, 227 |
| RGB Percent | 100%, 24%, 89% |
| CMY | 0.0002, 0.7565, 0.1100 |
| CMYK | 0.00, 0.76, 0.11, 0.00 |
| HSL | 309°, 100%, 62% |
| HSV | 309°, 76%, 100% |
| XYZ | 56.8126, 30.2513, 75.4901 |
| YIQ | 138.5170, 62.0630, 92.2310 |

Conversions

Conversions Part 2

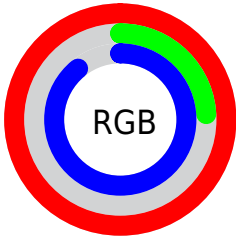
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 62, 227 |
| Decimal | 16727779 |
| CIE Lab | 61.87, 85.54, -42.75 |
| CIE LCh | 62, 95.626, 333.442 |
| Yxy | 30.2513, 0.3495, 0.1861 |
| Android (android.graphics.Color) | 4294917859 (0xFFFF3EE3) |
| YUV | 138.5170, 43.6221, 102.1556 |
| Hunter-Lab | 55.0012, 88.1268, -42.8757 |

Details

The Yxy color **30.2513, 0.3495, 0.1861** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **73.2625, 0.2941, 0.5443**, and the grayscale version is **25.4527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9183, 0.3184, 0.2087**, and **14.4096, 0.3534, 0.1720** is the 20% darker color. If you saturate the color by 10%, you get **27.8931, 0.3550, 0.1793**, and if you desaturate by 10%, it is **33.9166, 0.3438, 0.1975**.

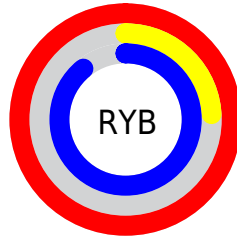
Distribution



Red (100%)

Green (24%)

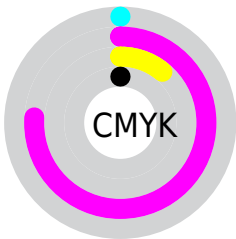
Blue (89%)



Red (100%)

Yellow (24%)

Blue (89%)

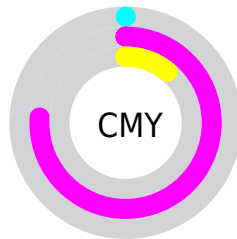


Cyan (0%)

Magenta (76%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (76%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2513, 0.3495, 0.1861 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 30.2513, 0.3495, 0.1861 by changing the saturation by 10% instead.


 30.2513, 0.3495,
0.1861

 30.2513, 0.3495,
0.1861


303.0741, 0.3343,
0.2516


 20.0294, 0.3523,
0.1717


 60.0594, 0.3447,
0.2084

 12.4164, 0.3555,
0.1544


 80.4143, 0.3427,
0.2172

 7.0279, 0.3587,
0.1334


 104.9158, 0.3409,
0.2249

 3.4796, 0.3618,
0.1075

 133.9481, 0.3393,
0.2316

 1.3869, 0.3636,
0.0762

 167.8957, 0.3379,
0.2375

 0.2071, 0.3674,
0.0233

207.1430, 0.3366,

 0.0000, 0.3477,

0.2427

0.0000

252.0743, 0.3354,
0.2474

■ 0.0000, 0.1833,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.2513, 0.3495,
0.1861

■ 30.2513, 0.3495,
0.1861

■ 27.8931, 0.3550,
0.1793

■ 33.9166, 0.3438,
0.1975

■ 26.6385, 0.3601,
0.1770

■ 39.0451, 0.3382,
0.2128

■ 26.3118, 0.3623,
0.1769

■ 45.7760, 0.3327,
0.2313

■ 54.2308, 0.3275,
0.2519

64.5196, 0.3227,
0.2736

76.7430, 0.3184,
0.2956

90.9946, 0.3146,
0.3172

99.9926, 0.3127,
0.3290

Harmonies

Analogous

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



30.2513, 0.2138, 0.1452



30.2513, 0.3495, 0.1861



30.2513, 0.5074, 0.2520

Triad

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



30.2513, 0.3495, 0.1861



30.2513, 0.4680, 0.5186



30.2513, 0.0965, 0.2293

Complementary

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



30.2513, 0.3495, 0.1861



73.2625, 0.2941, 0.5443

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.



30.2513, 0.1349, 0.3872



30.2513, 0.3495, 0.1861



30.2513, 0.3467, 0.6090

Square

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



30.2513, 0.3495, 0.1861



30.2513, 0.5642, 0.4143



30.2513, 0.2263, 0.5754



30.2513, 0.0985, 0.1560

Rectangle

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



30.2513, 0.3495, 0.1861



30.2513, 0.5766, 0.3023



30.2513, 0.2263, 0.5754



30.2513, 0.1040, 0.2714

Sweetspot

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



30.2528, 0.3495, 0.1861



67.5816, 0.3215, 0.2794



12.7394, 0.1797, 0.0963



13.5832, 0.3231, 0.2715



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.



30.2528, 0.3495, 0.1861



27.1079, 0.3578, 0.1775



26.3972, 0.4799, 0.2685



18.2524, 0.3160, 0.3089



13.7706, 0.3615, 0.1765



1.3526, 0.3561, 0.1735

Inverse Universe

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



30.2528, 0.3495, 0.1861



27.1079, 0.3578, 0.1775



75.9936, 0.2577, 0.4219



18.2524, 0.3160, 0.3089



13.7706, 0.3615, 0.1765



1.3526, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 30.2513, 0.3495, 0.1861 looks on a white background.

Color Contrast Check

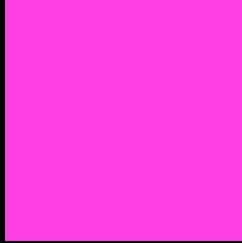
Large Text (above 18pt) WCAG AA × Fail

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 30.2513, 0.3495, 0.1861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

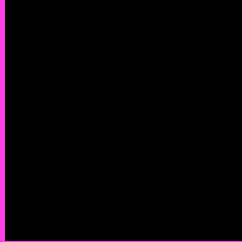
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2513, 0.3495, 0.1861

Background



This preview shows how black text looks on a background with the Yxy color 30.2513, 0.3495, 0.1861.

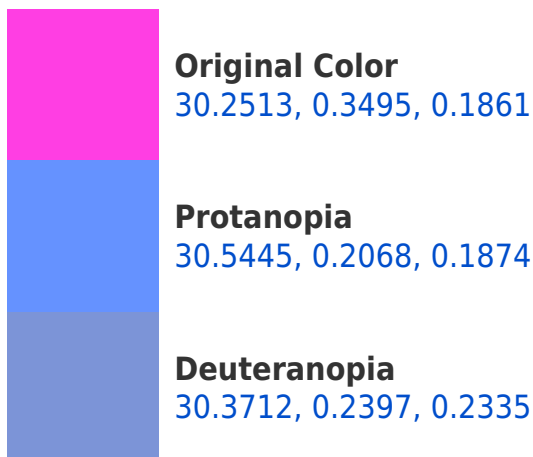


This preview shows how white text looks on a background with the Yxy color 30.2513, 0.3495, 0.1861.

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

30.0594, 0.4825, 0.3225

Trichromacy



Original Color

30.2513, 0.3495, 0.1861



Protanomaly

26.0221, 0.2402, 0.1712



Deuteranomaly

26.6077, 0.2719, 0.2000



Tritanomaly

29.2358, 0.4342, 0.2647

Monochromacy



Original Color

30.2513, 0.3495, 0.1861



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.1329, 0.3284, 0.2470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2513, 0.3495, 0.1861 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, 62, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 227)  
}
```

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, 62, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 227) }
```

Border

The CSS property to change the border of an element to Yxy 30.2513, 0.3495, 0.1861 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, 62, 227) }
```

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

```
.border{ border-color:rgb(255, 62, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 62, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 62,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2513, 0.3495, 0.1861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 62, 227) }
```

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

```
.background{ background-color: rgb(255, 62,  
227) }
```

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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