

Converting Colors

$Yxy(78.5020, 0.3028, 0.3050)$

Have a look what the booklet for
Yxy(78.5020, 0.3028, 0.3050)
contains.

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Color

Yxy(78.5559, 0.3030, 0.3055)

Conversions

Conversions Part 1

Format	Color
Hex	E9E2F9
RGB	233, 226, 249
RGB Percent	91%, 89%, 98%
CMY	0.0860, 0.1138, 0.0236
CMYK	0.06, 0.09, 0.00, 0.02
HSL	258°, 66%, 93%
HSV	258°, 9%, 98%
XYZ	77.9131, 78.5559, 100.6698
YIQ	230.7150, -3.2110, 8.6370

Conversions

Conversions Part 2

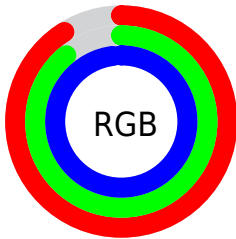
Format	Color
R _Y B	233, 226, 249
Decimal	15327993
CIE Lab	91.03, 6.60, -10.30
CIE LCh	91, 12.230, 302.632
Yxy	78.5559, 0.3030, 0.3055
Android (android.graphics.Color)	4293518073 (0xFFE9E2F9)
YUV	230.7150, 9.0145, 2.0039
Hunter-Lab	88.6318, 1.8074, -5.3006

Details

The Yxy color **78.5559, 0.3030, 0.3055** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.0979, 0.3219, 0.3521**, and the grayscale version is **79.6293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3232, 0.3001, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **63.2256, 0.2909, 0.2775**, and if you desaturate by 10%, it is **96.1426, 0.3135, 0.3308**.

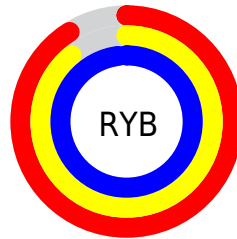
Distribution



Red (91%)

Green (89%)

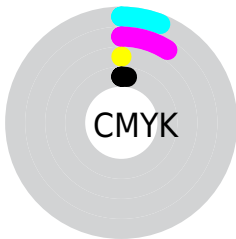
Blue (98%)



Red (91%)

Yellow (89%)

Blue (98%)

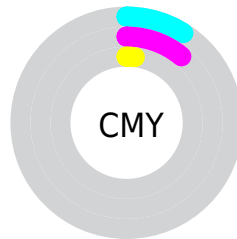


Cyan (6%)

Magenta (9%)

Yellow (0%)

Black (2%)



Cyan (9%)


Magenta (11%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5559, 0.3030, 0.3055 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 78.5559, 0.3030, 0.3055 by changing the saturation by 10% instead.


 78.5559, 0.3030,
0.3055

 78.5559, 0.3030,
0.3055

490.0527, 0.3075,
0.3161

 58.5307, 0.3020,
0.3031


131.3335, 0.3046,
0.3091

 42.2355, 0.3007,
0.3003


164.8547, 0.3052,
0.3105

 29.2857, 0.2991,
0.2967


203.6434, 0.3057,
0.3118

 19.2971, 0.2971,
0.2921

248.0839, 0.3061,
0.3129

 11.8851, 0.2943,
0.2860

298.5607, 0.3065,
0.3138

 6.6655, 0.2902,
0.2774

355.4582, 0.3069,

 3.2538, 0.2840,

0.3146

0.2647

419.1607, 0.3072,
0.3154

■ 1.2656, 0.2732,
0.2437

■ 0.1144, 0.2195,
0.0931

■ 78.5559, 0.3030,
0.3055

■ 78.5559, 0.3030,
0.3055

■ 63.2256, 0.2909,
0.2775

■ 96.1426, 0.3135,
0.3308

■ 50.0492, 0.2771,
0.2472

■ 99.6190, 0.3162,
0.3347

■ 38.9312, 0.2617,
0.2152

■ 29.7646, 0.2451,
0.1827

■ 22.4327, 0.2278,
0.1512

■ 16.8062, 0.2107,
0.1227

■ 12.7378, 0.1948,
0.0991

■ 10.0541, 0.1811,
0.0820

■ 8.4958, 0.1703,
0.0714

Harmonies

Analogous

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



78.5559, 0.2914, 0.3055



78.5559, 0.3030, 0.3055



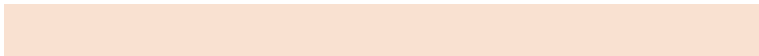
78.5559, 0.3174, 0.3115

Triad

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



78.5559, 0.3030, 0.3055



78.5559, 0.3407, 0.3456



78.5559, 0.2947, 0.3361

Complementary

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



78.5559, 0.3030, 0.3055



92.0979, 0.3219, 0.3521

Split Complementary

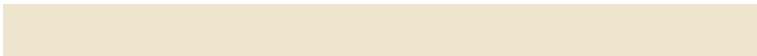
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5559, 0.3076, 0.3476



78.5559, 0.3030, 0.3055



78.5559, 0.3342, 0.3529

Square

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



78.5559, 0.3030, 0.3055



78.5559, 0.3395, 0.3342



78.5559, 0.3220, 0.3538



78.5559, 0.2867, 0.3228

Rectangle

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



78.5559, 0.3030, 0.3055



78.5559, 0.3268, 0.3180



78.5559, 0.3220, 0.3538



78.5559, 0.2986, 0.3403

Sweetspot

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



78.5592, 0.3030, 0.3055



94.2250, 0.3097, 0.3216



86.5633, 0.2984, 0.3219



19.8456, 0.3089, 0.3196



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.



78.5592, 0.3030, 0.3055



79.8916, 0.3010, 0.3007



80.5278, 0.3106, 0.3061



16.9019, 0.3027, 0.3048



4.5620, 0.1710, 0.0716



0.4758, 0.1835, 0.0784

Inverse Universe

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



80.9296, 0.3184, 0.3132



82.8475, 0.3195, 0.3100



90.1562, 0.3145, 0.3526



17.4283, 0.3185, 0.3127



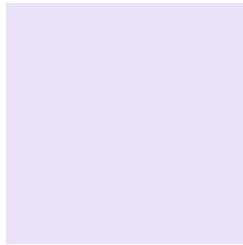
12.4098, 0.4176, 0.2074



1.1683, 0.4032, 0.1995

Previews

White Background



This preview shows how the Yxy color 78.5559, 0.3030, 0.3055 looks on a white background.

Color Contrast Check

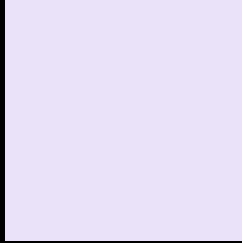
Large Text (above 18pt) WCAG AA × Fail

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 78.5559, 0.3030, 0.3055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

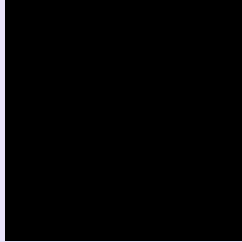
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

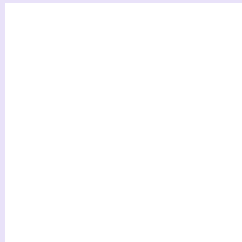
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5559, 0.3030, 0.3055

Background



This preview shows how black text looks on a background with the Yxy color 78.5559, 0.3030, 0.3055.

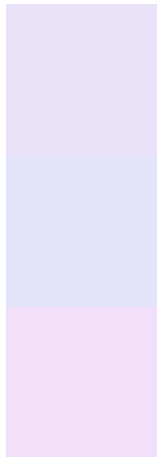


This preview shows how white text looks on a background with the Yxy color 78.5559, 0.3030, 0.3055.

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

78.5559, 0.3030, 0.3055

Protanopia

78.7198, 0.2984, 0.3063

Deuteranopia

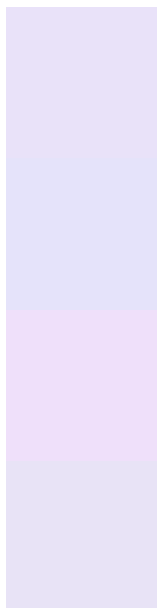
78.5547, 0.3085, 0.3019



Tritanopia

78.6865, 0.3047, 0.3105

Trichromacy



Original Color

78.5559, 0.3030, 0.3055

Protanomaly

78.4983, 0.2997, 0.3054

Deuteranomaly

78.5642, 0.3064, 0.3028

Tritanomaly

78.7478, 0.3041, 0.3095

Monochromacy



Original Color

78.5559, 0.3030, 0.3055

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.3675, 0.3091, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5559, 0.3030, 0.3055 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(233, 226, 249)` looks like.

```
.text, #text, p{  
    color:rgb(233, 226, 249)  
}
```

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(233, 226, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 226, 249) }
```

Border

The CSS property to change the border of an element to Yxy 78.5559, 0.3030, 0.3055 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(233, 226, 249) }
```

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

```
.border{ border-color:rgb(233, 226, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 226, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 226, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 226, 249);  
box-shadow:4px 4px 4px 4px rgb(233, 226,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5559, 0.3030, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 226, 249) }
```

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

```
.background{ background-color: rgb(233,  
226, 249) }
```

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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