

Converting Colors

$Y_{xy}(75.1660, 0.3014, 0.3050)$

Have a look what the booklet for
Yxy(75.1660, 0.3014, 0.3050)
contains.

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Color

Yxy(75.1660, 0.3014, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	E3DEF5
RGB	227, 222, 245
RGB Percent	89%, 87%, 96%
CMY	0.1099, 0.1294, 0.0391
CMYK	0.07, 0.09, 0.00, 0.04
HSL	253°, 54%, 92%
HSV	253°, 9%, 96%
XYZ	74.2788, 75.1660, 97.0011
YIQ	226.1170, -4.4030, 8.2130

Conversions

Conversions Part 2

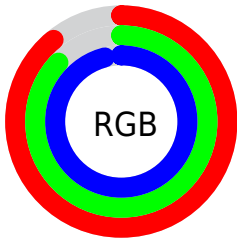
Format	Color
R _Y B	227, 222, 245
Decimal	14933749
CIE Lab	89.47, 5.94, -10.60
CIE LCh	89, 12.147, 299.260
Yxy	75.1660, 0.3014, 0.3050
Android (android.graphics.Color)	4293123829 (0xFFE3DEF5)
YUV	226.1170, 9.3093, 0.7744
Hunter-Lab	86.6983, 1.2078, -5.6469

Details

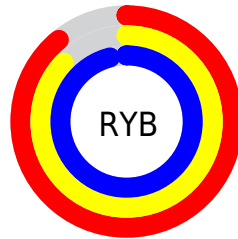
The Yxy color **75.1660, 0.3014, 0.3050** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89.1321, 0.3234, 0.3524**, and the grayscale version is **76.0768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.0822, 0.2989, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **60.1329, 0.2876, 0.2766**, and if you desaturate by 10%, it is **92.4456, 0.3134, 0.3305**.

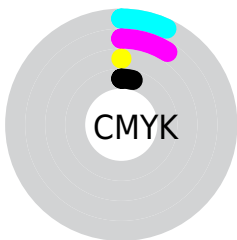
Distribution



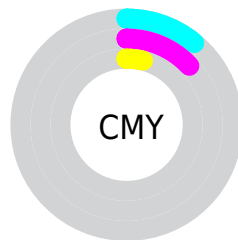
- Red (89%)
- Green (87%)
- Blue (96%)



- Red (89%)
- Yellow (87%)
- Blue (96%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (11%)
- Magenta (13%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1660, 0.3014, 0.3050 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 75.1660, 0.3014, 0.3050 by changing the saturation by 10% instead.

75.1660, 0.3014,
0.3050

75.1660, 0.3014,
0.3050

478.4879, 0.3067,
0.3159

55.7489, 0.3002,
0.3026

126.5473, 0.3032,
0.3087

40.0016, 0.2987,
0.2996

159.2803, 0.3039,
0.3102

27.5398, 0.2968,
0.2958

197.2207, 0.3045,
0.3115

17.9791, 0.2944,
0.2910

240.7530, 0.3051,
0.3126

10.9350, 0.2910,
0.2845

290.2614, 0.3055,
0.3136

6.0231, 0.2862,
0.2753

346.1305, 0.3060,

2.8591, 0.2786,

0.3144

0.2615

408.7445, 0.3063,
0.3152

■ 1.0586, 0.2653,
0.2383

■ 0.0000, 0.1165,
0.0000

■ 75.1660, 0.3014,
0.3050

■ 75.1660, 0.3014,
0.3050

■ 60.1329, 0.2876,
0.2766

■ 92.4456, 0.3134,
0.3305

■ 47.2441, 0.2720,
0.2457

■ 99.3743, 0.3185,
0.3386

■ 36.4037, 0.2547,
0.2127

■ 27.5046, 0.2363,
0.1791

■ 20.4299, 0.2175,
0.1464

■ 15.0499, 0.1993,
0.1170

■ 11.2175, 0.1831,
0.0929

■ 8.7592, 0.1700,
0.0759

■ 7.4121, 0.1605,
0.0660

Harmonies

Analogous

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



75.1660, 0.2902, 0.3057



75.1660, 0.3014, 0.3050



75.1660, 0.3158, 0.3104

Triad

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



75.1660, 0.3014, 0.3050



75.1660, 0.3411, 0.3446



75.1660, 0.2958, 0.3376

Complementary

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



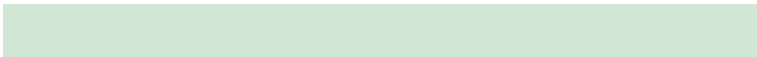
75.1660, 0.3014, 0.3050



89.1321, 0.3234, 0.3524

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.



75.1660, 0.3091, 0.3487



75.1660, 0.3014, 0.3050



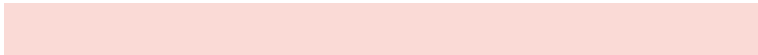
75.1660, 0.3354, 0.3526

Square

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



75.1660, 0.3014, 0.3050



75.1660, 0.3390, 0.3329



75.1660, 0.3237, 0.3542



75.1660, 0.2871, 0.3242

Rectangle

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



75.1660, 0.3014, 0.3050



75.1660, 0.3254, 0.3167



75.1660, 0.3237, 0.3542



75.1660, 0.2999, 0.3417

Sweetspot

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



75.1692, 0.3014, 0.3050



94.0957, 0.3093, 0.3216



84.6957, 0.2982, 0.3242



19.8109, 0.3083, 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.



75.1692, 0.3014, 0.3050



79.4551, 0.2993, 0.3006



77.0403, 0.3090, 0.3056



16.0991, 0.3013, 0.3048



4.0062, 0.1612, 0.0661



0.3951, 0.1726, 0.0725

Inverse Universe

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



77.9600, 0.3171, 0.3108



83.0070, 0.3179, 0.3076



87.2403, 0.3161, 0.3529



16.7035, 0.3171, 0.3106



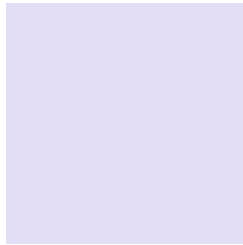
12.5324, 0.3844, 0.1891



1.1163, 0.3748, 0.1839

Previews

White Background



This preview shows how the Yxy color 75.1660, 0.3014, 0.3050 looks on a white background.

Color Contrast Check

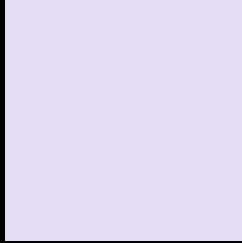
Large Text (above 18pt) WCAG AA × Fail

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 75.1660, 0.3014, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

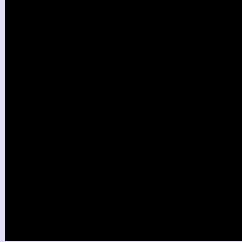
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.1660, 0.3014, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 75.1660, 0.3014, 0.3050.



This preview shows how white text looks on a background with the Yxy color 75.1660, 0.3014, 0.3050.

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

75.1660, 0.3014, 0.3050

Protanopia

75.1171, 0.2981, 0.3049

Deuteranopia

75.3214, 0.3077, 0.3014



Tritanopia

75.2354, 0.3039, 0.3111

Trichromacy



Original Color

75.1660, 0.3014, 0.3050

Protanomaly

75.2765, 0.2988, 0.3049

Deuteranomaly

75.1639, 0.3049, 0.3022

Tritanomaly

75.3549, 0.3026, 0.3091

Monochromacy



Original Color

75.1660, 0.3014, 0.3050

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.9024, 0.3083, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1660, 0.3014, 0.3050 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(227, 222, 245)` looks like.

```
.text, #text, p{  
    color:rgb(227, 222, 245)  
}
```

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(227, 222, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 222, 245) }
```

Border

The CSS property to change the border of an element to Yxy 75.1660, 0.3014, 0.3050 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(227, 222, 245) }
```

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

```
.border{ border-color:rgb(227, 222, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 222, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 222, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 222, 245);  
box-shadow:4px 4px 4px 4px rgb(227, 222,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1660, 0.3014, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 222, 245) }
```

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

```
.background{ background-color: rgb(227,  
222, 245) }
```

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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