

# Converting Colors

$Y_{xy}(75.1522, 0.3121, 0.3045)$

Have a look what the booklet for  
Yxy(75.1522, 0.3121, 0.3045)  
contains.

<b>Yxy(75.0789, 0.3124, 0.3045)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(75.0789, 0.3124, 0.3045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0DAF2
RGB	240, 218, 242
RGB Percent	94%, 85%, 95%
CMY	0.0590, 0.1450, 0.0509
CMYK	0.01, 0.10, 0.00, 0.05
HSL	295°, 48%, 90%
HSV	295°, 10%, 95%
XYZ	77.0268, 75.0789, 94.4589
YIQ	227.3140, 5.4080, 12.1280

# Conversions

## Conversions Part 2

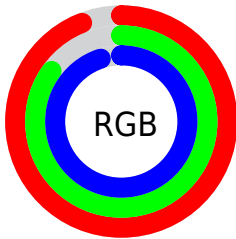
Format	Color
R <sub>Y</sub> B	240, 218, 242
Decimal	15784690
CIE Lab	89.43, 11.72, -8.97
CIE LCh	89, 14.762, 322.576
Yxy	75.0789, 0.3124, 0.3045
Android (android.graphics.Color)	4293974770 (0xFFFF0DAF2)
YUV	227.3140, 7.2402, 11.1256
Hunter-Lab	86.6481, 7.0454, -3.9810

# Details

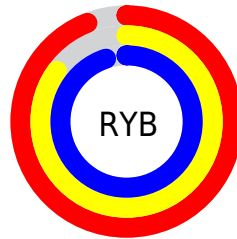
The Yxy color **75.0789, 0.3124, 0.3045** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83.8139, 0.3129, 0.3546**, and the grayscale version is **76.9996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9299, 0.3123, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **63.0686, 0.3119, 0.2790**, and if you desaturate by 10%, it is **88.9328, 0.3127, 0.3292**.

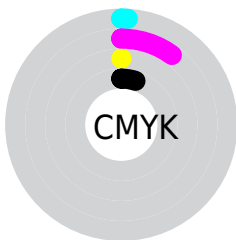
# Distribution



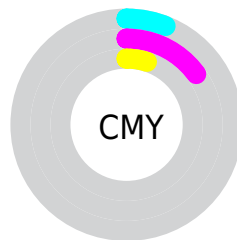
- Red (94%)
- Green (85%)
- Blue (95%)



- Red (94%)
- Yellow (85%)
- Blue (95%)



- Cyan (1%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)




- Cyan (6%)
- Magenta (15%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0789, 0.3124, 0.3045 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 75.0789, 0.3124, 0.3045 by changing the saturation by 10% instead.



 75.0789, 0.3124,  
0.3045

 75.0789, 0.3124,  
0.3045

478.1887, 0.3126,  
0.3156

 55.6775, 0.3123,  
0.3020


126.4240, 0.3125,  
0.3083

 39.9444, 0.3122,  
0.2990


159.1366, 0.3125,  
0.3098

 27.4952, 0.3121,  
0.2952


197.0550, 0.3126,  
0.3111

 17.9455, 0.3119,  
0.2904

240.5637, 0.3126,  
0.3122

 10.9109, 0.3115,  
0.2839

290.0470, 0.3126,  
0.3132

 6.0069, 0.3110,  
0.2748

345.8893, 0.3126,

 2.8493, 0.3099,

0.3141

0.2612

408.4751, 0.3126,  
0.3149

■ 1.0536, 0.3075,  
0.2385

■ 0.0000, 0.2883,  
0.0000

■ 75.0789, 0.3124,  
0.3045

■ 75.0789, 0.3124,  
0.3045

■ 63.0686, 0.3119,  
0.2790

■ 88.9328, 0.3127,  
0.3292

■ 52.8130, 0.3111,  
0.2533

■ 97.1893, 0.3134,  
0.3417

■ 44.2304, 0.3101,  
0.2284

■ 97.5648, 0.3147,  
0.3417

■ 37.2290, 0.3087,  
0.2051

■ 97.9445, 0.3160,  
0.3416

■ 31.7080, 0.3072,  
0.1845

■ 98.3284, 0.3173,  
0.3416

■ 27.5550, 0.3053,  
0.1675

■ 98.7167, 0.3187,  
0.3415

■ 24.6413, 0.3033,  
0.1548

■ 99.1092, 0.3200,  
0.3415

■ 22.8141, 0.3012,  
0.1466

■ 99.1926, 0.3203,  
0.3415

■ 21.8189, 0.2990,  
0.1421

# Harmonies

## Analogous

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



75.0789, 0.2954, 0.2995



75.0789, 0.3124, 0.3045



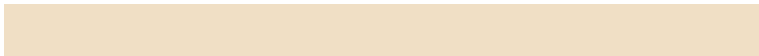
75.0789, 0.3299, 0.3156

# Triad

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



75.0789, 0.3124, 0.3045



75.0789, 0.3427, 0.3560



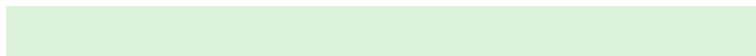
75.0789, 0.2834, 0.3267

# Complementary

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



75.0789, 0.3124, 0.3045



83.8139, 0.3129, 0.3546

# 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.



75.0789, 0.2954, 0.3429



75.0789, 0.3124, 0.3045



75.0789, 0.3296, 0.3601

# Square

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



75.0789, 0.3124, 0.3045



75.0789, 0.3476, 0.3449



75.0789, 0.3123, 0.3553



75.0789, 0.2790, 0.3117



# Rectangle

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



75.0789, 0.3124, 0.3045



75.0789, 0.3393, 0.3251



75.0789, 0.3123, 0.3553



75.0789, 0.2866, 0.3322

# Sweetspot

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



75.0821, 0.3124, 0.3045



95.0910, 0.3126, 0.3217



72.7263, 0.2972, 0.3059



20.0796, 0.3126, 0.3197



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.



75.0821, 0.3124, 0.3045



81.5099, 0.3123, 0.2992



74.8840, 0.3203, 0.3142



15.9581, 0.3124, 0.3056



11.7446, 0.2994, 0.1423



0.9972, 0.3024, 0.1439



# Inverse Universe

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



74.2055, 0.3288, 0.3269



80.3347, 0.3327, 0.3264



84.0105, 0.3058, 0.3442



15.7809, 0.3280, 0.3270



10.1779, 0.6305, 0.3247

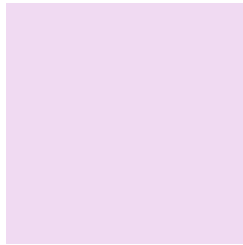


0.8542, 0.6084, 0.3125



# Previews

## White Background



This preview shows how the Yxy color 75.0789, 0.3124, 0.3045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

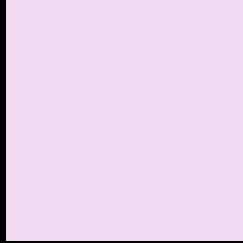
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0789, 0.3124, 0.3045 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

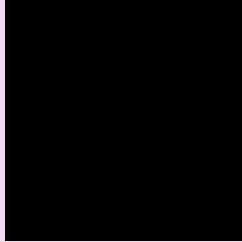
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

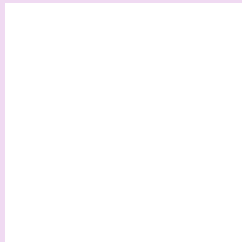
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.0789, 0.3124, 0.3045**

## Background



This preview shows how black text looks on a background with the Yxy color 75.0789, 0.3124, 0.3045.



This preview shows how white text looks on a background with the Yxy color 75.0789, 0.3124, 0.3045.

# 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

75.0789, 0.3124, 0.3045

### Protanopia

75.0559, 0.2987, 0.3059

### Deuteranopia

74.9043, 0.3117, 0.3045



## Tritanopia

75.0699, 0.3157, 0.3115

# Trichromacy



## Original Color

75.0789, 0.3124, 0.3045

## Protanomaly

74.9026, 0.3034, 0.3051

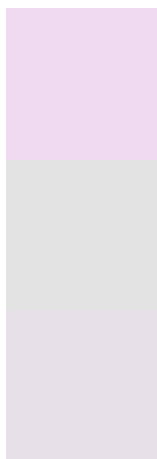
## Deuteranomaly

74.9043, 0.3117, 0.3045

## Tritanomaly

75.1868, 0.3143, 0.3095

# Monochromacy



## Original Color

75.0789, 0.3124, 0.3045

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.2933, 0.3131, 0.3206

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0789, 0.3124, 0.3045 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(240, 218, 242)` looks like.

```
.text, #text, p{  
    color:rgb(240, 218, 242)  
}
```

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(240, 218, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 218, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0789, 0.3124, 0.3045 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(240, 218, 242) }
```

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

```
.border{ border-color:rgb(240, 218, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 218, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 218, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 218, 242);  
box-shadow:4px 4px 4px 4px rgb(240, 218,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0789, 0.3124, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 218, 242) }
```

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

```
.background{ background-color: rgb(240,  
218, 242) }
```

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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