

# Converting Colors

$Yxy(74.6835, 0.2905, 0.3132)$

Have a look what the booklet for  
Yxy(74.6835, 0.2905, 0.3132)  
contains.

<b>Yxy(74.6144, 0.2901, 0.3127)</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(74.6144, 0.2901, 0.3127)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFE3F2
RGB	207, 227, 242
RGB Percent	81%, 89%, 95%
CMY	0.1884, 0.1097, 0.0509
CMYK	0.14, 0.06, 0.00, 0.05
HSL	206°, 57%, 88%
HSV	206°, 14%, 95%
XYZ	69.2217, 74.6144, 94.7772
YIQ	222.7300, -16.7350, 0.4250

# Conversions

## Conversions Part 2

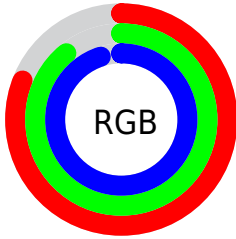
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 220, 242
Decimal	13624306
CIE <sub>Lab</sub>	89.21, -3.65, -9.56
CIE <sub>LCh</sub>	89, 10.233, 249.123
Yxy	74.6144, 0.2901, 0.3127
Android (android.graphics.Color)	4291814386 (0xFFCFE3F2)
YUV	222.7300, 9.5001, -13.7952
Hunter-Lab	86.3796, -8.1204, -4.5883

# Details

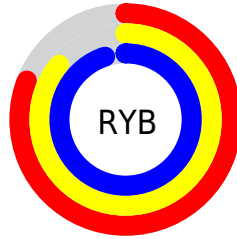
The Yxy color **74.6144, 0.2901, 0.3127** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.6105, 0.3374, 0.3448**, and the grayscale version is **73.5285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.7256, 0.2846, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **65.8971, 0.2741, 0.3000**, and if you desaturate by 10%, it is **84.2132, 0.3058, 0.3242**.

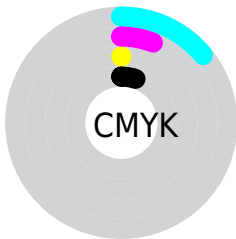
# Distribution



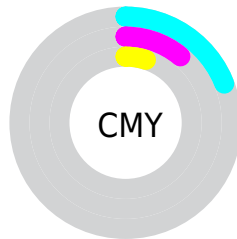
- Red (81%)
- Green (89%)
- Blue (95%)



- Red (81%)
- Yellow (86%)
- Blue (95%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)



- Cyan (19%)
- Magenta (11%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6144, 0.2901, 0.3127 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 74.6144, 0.2901, 0.3127 by changing the saturation by 10% instead.



■ 74.6144, 0.2901,  
0.3127

■ 74.6144, 0.2901,  
0.3127

476.5912, 0.3005,  
0.3203

■ 55.2971, 0.2878,  
0.3110

125.7664, 0.2937,  
0.3153

■ 39.6396, 0.2849,  
0.3088

158.3698, 0.2951,  
0.3163

■ 27.2577, 0.2813,  
0.3061

196.1707, 0.2963,  
0.3172

■ 17.7668, 0.2766,  
0.3026

239.5535, 0.2973,  
0.3180

■ 10.7827, 0.2702,  
0.2978

288.9025, 0.2982,  
0.3187

■ 5.9209, 0.2612,  
0.2908

344.6022, 0.2991,

■ 2.7971, 0.2474,

0.3193

0.2799

407.0370, 0.2998,  
0.3198

1.0267, 0.2237,  
0.2608

0.0000, 0.0000,  
0.0000

74.6144, 0.2901,  
0.3127

74.6144, 0.2901,  
0.3127

65.8971, 0.2741,  
0.3000

84.2132, 0.3058,  
0.3242

58.0218, 0.2582,  
0.2860

94.6440, 0.3208,  
0.3345

50.9594, 0.2427,  
0.2710

99.1924, 0.3203,  
0.3415

44.6752, 0.2281,  
0.2550

■ 39.1313, 0.2147,  
0.2385

■ 34.2856, 0.2032,  
0.2216

■ 30.0901, 0.1937,  
0.2049

■ 26.4874, 0.1865,  
0.1886

■ 24.7114, 0.1833,  
0.1799

# Harmonies

## Analogous

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



74.6144, 0.2898, 0.3215



74.6144, 0.2901, 0.3127



74.6144, 0.2964, 0.3085

# Triad

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



74.6144, 0.2901, 0.3127



74.6144, 0.3302, 0.3252



74.6144, 0.3181, 0.3493

# Complementary

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



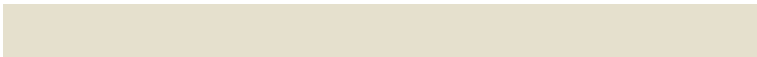
74.6144, 0.2901, 0.3127



75.6105, 0.3374, 0.3448

# 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.



74.6144, 0.3291, 0.3500



74.6144, 0.2901, 0.3127



74.6144, 0.3362, 0.3358

# Square

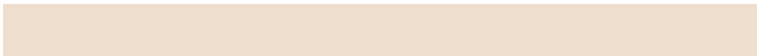
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6144, 0.2901, 0.3127



74.6144, 0.3194, 0.3157



74.6144, 0.3358, 0.3449



74.6144, 0.3058, 0.3429



# Rectangle

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



74.6144, 0.2901, 0.3127



74.6144, 0.3031, 0.3086



74.6144, 0.3358, 0.3449



74.6144, 0.3220, 0.3502

# Sweetspot

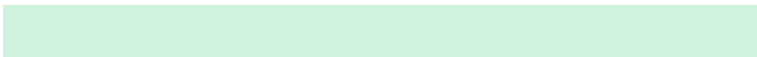
The Sweet Spot groups the original color and five complimentary colors.



74.6175, 0.2901, 0.3127



95.3623, 0.3066, 0.3247



82.0297, 0.3023, 0.3512



20.2287, 0.3054, 0.3239



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

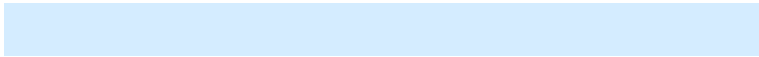


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6175, 0.2901, 0.3127



81.4118, 0.2860, 0.3096



65.7051, 0.2894, 0.2936



16.7298, 0.2980, 0.3186



13.5488, 0.1840, 0.1825



1.3242, 0.1899, 0.2036



# Inverse Universe

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



69.0334, 0.3250, 0.3082



74.2541, 0.3275, 0.3044



85.1783, 0.3349, 0.3621



15.9104, 0.3204, 0.3156



11.1611, 0.4655, 0.2338

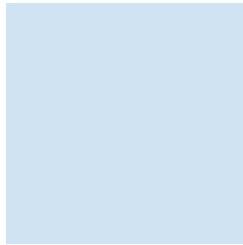


0.9484, 0.4412, 0.2204



# Previews

## White Background



This preview shows how the Yxy color 74.6144, 0.2901, 0.3127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

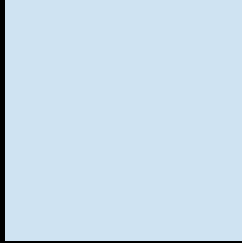
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6144, 0.2901, 0.3127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

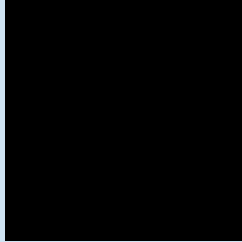
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

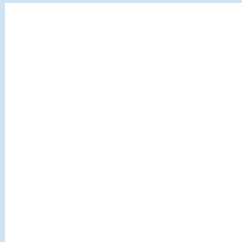
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.6144, 0.2901, 0.3127**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6144, 0.2901, 0.3127.

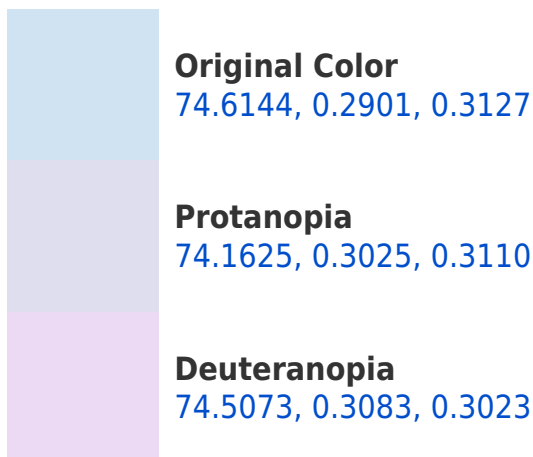


This preview shows how white text looks on a background with the Yxy color 74.6144, 0.2901, 0.3127.

# 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

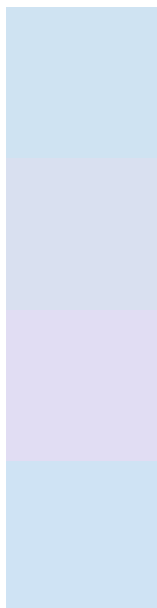




## Tritanopia

74.7961, 0.2884, 0.3095

# Trichromacy



## Original Color

74.6144, 0.2901, 0.3127

## Protanomaly

74.3543, 0.2978, 0.3119

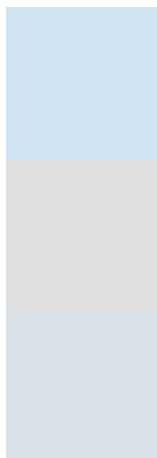
## Deuteranomaly

74.1915, 0.3013, 0.3059

## Tritanomaly

74.7352, 0.2890, 0.3106

# Monochromacy



## Original Color

74.6144, 0.2901, 0.3127

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.7762, 0.3040, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6144, 0.2901, 0.3127 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(207, 227, 242)` looks like.

```
.text, #text, p{  
    color:rgb(207, 227, 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(207, 227, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 227, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6144, 0.2901, 0.3127 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(207, 227, 242) }
```

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

```
.border{ border-color:rgb(207, 227, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 227, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 227, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 227, 242);  
box-shadow:4px 4px 4px 4px rgb(207, 227,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6144, 0.2901, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 227, 242) }
```

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

```
.background{ background-color: rgb(207,  
227, 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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