

Converting Colors

$Yxy(75.4270, 0.2870, 0.3146)$

Have a look what the booklet for
Yxy(75.4270, 0.2870, 0.3146)
contains.

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Color

Yxy(75.7612, 0.2872, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	CBE6F3
RGB	203, 230, 243
RGB Percent	80%, 90%, 95%
CMY	0.2036, 0.0981, 0.0470
CMYK	0.16, 0.05, 0.00, 0.05
HSL	200°, 62%, 87%
HSV	200°, 16%, 95%
XYZ	69.1189, 75.7612, 95.7845
YIQ	223.4090, -20.2650, -1.6810

Conversions

Conversions Part 2

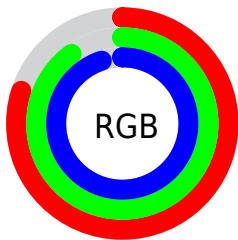
Format	Color
R _Y B	203, 219, 243
Decimal	13362931
CIE Lab	89.75, -6.18, -9.31
CIE LCh	90, 11.175, 236.420
Yxy	75.7612, 0.2872, 0.3148
Android (android.graphics.Color)	4291553011 (0xFFCBE6F3)
YUV	223.4090, 9.6584, -17.8987
Hunter-Lab	87.0409, -10.5754, -4.3173

Details

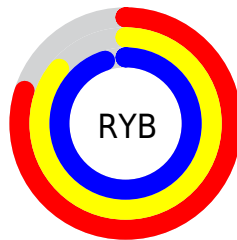
The Yxy color **75.7612, 0.2872, 0.3148** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5362, 0.3418, 0.3428**, and the grayscale version is **74.0491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5437, 0.2809, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **68.3022, 0.2717, 0.3050**, and if you desaturate by 10%, it is **83.9619, 0.3028, 0.3237**.

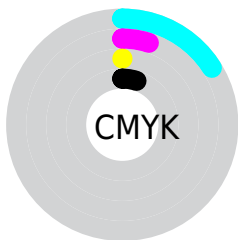
Distribution



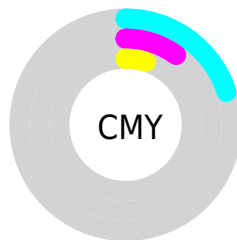
- Red (80%)
- Green (90%)
- Blue (95%)



- Red (80%)
- Yellow (86%)
- Blue (95%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (20%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7612, 0.2872, 0.3148 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 75.7612, 0.2872, 0.3148 by changing the saturation by 10% instead.

■ 75.7612, 0.2872,
0.3148

■ 75.7612, 0.2872,
0.3148

480.5298, 0.2988,
0.3214

■ 56.2367, 0.2846,
0.3133

127.3893, 0.2912,
0.3171

■ 40.3927, 0.2814,
0.3114

160.2617, 0.2928,
0.3180

■ 27.8449, 0.2773,
0.3090

198.3522, 0.2941,
0.3188

■ 18.2088, 0.2721,
0.3059

242.0452, 0.2953,
0.3194

■ 11.1000, 0.2651,
0.3016

291.7250, 0.2963,
0.3200

■ 6.1341, 0.2552,
0.2954

347.7762, 0.2973,

■ 2.9268, 0.2401,

0.3205

410.5830, 0.2981,
0.3210

0.2856

1.0936, 0.2147,
0.2682

0.0000, 0.0000,
0.0000

75.7612, 0.2872,
0.3148

75.7612, 0.2872,
0.3148

68.3022, 0.2717,
0.3050

83.9619, 0.3028,
0.3237

61.5481, 0.2567,
0.2944

92.9208, 0.3182,
0.3318

55.4724, 0.2425,
0.2830

98.4674, 0.3198,
0.3393

50.0433, 0.2294,
0.2710

99.2519, 0.3197,
0.3405

■ 45.2255, 0.2180,
0.2586

■ 40.9795, 0.2083,
0.2460

■ 37.2592, 0.2007,
0.2334

■ 34.0081, 0.1952,
0.2211

■ 32.9317, 0.1935,
0.2167

Harmonies

Analogous

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



75.7612, 0.2897, 0.3258



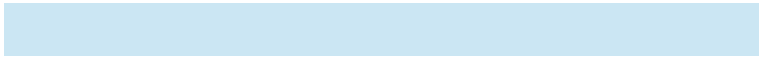
75.7612, 0.2872, 0.3148



75.7612, 0.2914, 0.3080

Triad

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



75.7612, 0.2872, 0.3148



75.7612, 0.3272, 0.3202



75.7612, 0.3240, 0.3523

Complementary

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



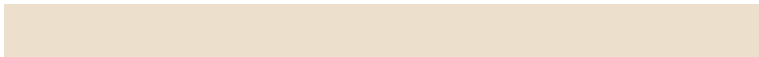
75.7612, 0.2872, 0.3148



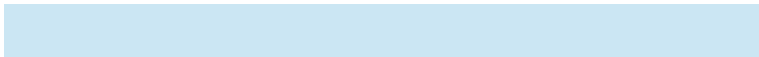
72.5362, 0.3418, 0.3428

Split Complementary

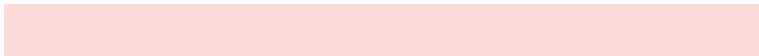
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7612, 0.3343, 0.3502



75.7612, 0.2872, 0.3148



75.7612, 0.3363, 0.3315

Square

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



75.7612, 0.2872, 0.3148



75.7612, 0.3143, 0.3112



75.7612, 0.3389, 0.3425



75.7612, 0.3107, 0.3478

Rectangle

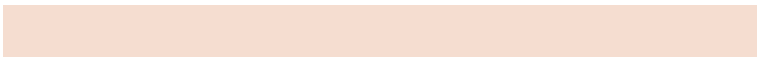
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7612, 0.2872, 0.3148



75.7612, 0.2974, 0.3065



75.7612, 0.3389, 0.3425



75.7612, 0.3279, 0.3523

Sweetspot

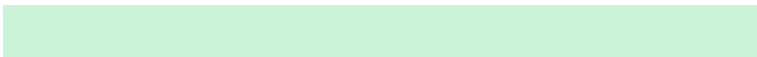
The Sweet Spot groups the original color and five complimentary colors.



75.7643, 0.2872, 0.3148



95.0366, 0.3050, 0.3249



81.7599, 0.3032, 0.3590



20.1961, 0.3039, 0.3243



0.0000, 0.0000, 0.0000



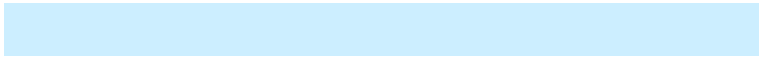
21.4041, 0.3127, 0.3290

Same Dimension

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



75.7643, 0.2872, 0.3148



81.4187, 0.2816, 0.3114



65.4674, 0.2862, 0.2929



17.7934, 0.2980, 0.3211



18.3277, 0.1941, 0.2187



1.7975, 0.1984, 0.2341

Inverse Universe

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



67.5159, 0.3239, 0.3011



70.6402, 0.3268, 0.2948



83.1860, 0.3386, 0.3627



16.6710, 0.3188, 0.3132



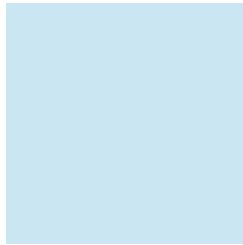
11.9496, 0.4247, 0.2113



1.0691, 0.4083, 0.2023

Previews

White Background



This preview shows how the Yxy color 75.7612, 0.2872, 0.3148 looks on a white background.

Color Contrast Check

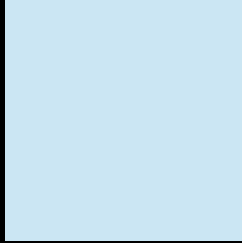
Large Text (above 18pt) WCAG AA × Fail

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 75.7612, 0.2872, 0.3148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

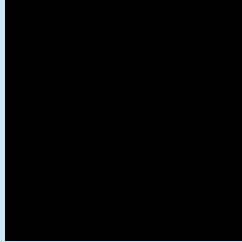
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

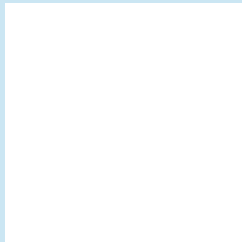
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7612, 0.2872, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 75.7612, 0.2872, 0.3148.

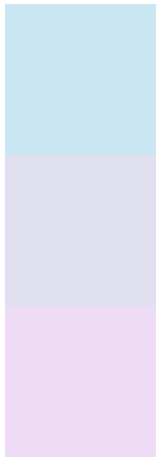


This preview shows how white text looks on a background with the Yxy color 75.7612, 0.2872, 0.3148.

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

75.7612, 0.2872, 0.3148

Protanopia

75.5509, 0.3038, 0.3132

Deuteranopia

75.4328, 0.3090, 0.3025



Tritanopia

75.6533, 0.2849, 0.3085

Trichromacy



Original Color

75.7612, 0.2872, 0.3148

Protanomaly

75.4357, 0.2978, 0.3140

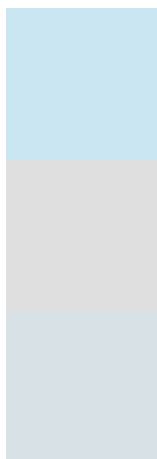
Deuteranomaly

75.3146, 0.3007, 0.3070

Tritanomaly

75.5298, 0.2860, 0.3106

Monochromacy



Original Color

75.7612, 0.2872, 0.3148

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.7048, 0.3033, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7612, 0.2872, 0.3148 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(203, 230, 243)` looks like.

```
.text, #text, p{  
    color:rgb(203, 230, 243)  
}
```

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(203, 230, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 230, 243) }
```

Border

The CSS property to change the border of an element to Yxy 75.7612, 0.2872, 0.3148 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(203, 230, 243) }
```

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

```
.border{ border-color:rgb(203, 230, 243) }
```

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

Here you see how a box with a 4 pixel rgb(203, 230, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 230, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 230, 243);  
box-shadow:4px 4px 4px 4px rgb(203, 230,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7612, 0.2872, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 230, 243) }
```

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

```
.background{ background-color: rgb(203,  
230, 243) }
```

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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