

Converting Colors

$Y_{xy}(75.6630, 0.2901, 0.3191)$

Have a look what the booklet for
Yxy(75.6630, 0.2901, 0.3191)
contains.

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Color

Yxy(75.6630, 0.2901, 0.3191)

Conversions

Conversions Part 1

Format	Color
Hex	CCE6EF
RGB	204, 230, 239
RGB Percent	80%, 90%, 94%
CMY	0.1999, 0.0981, 0.0626
CMYK	0.15, 0.04, 0.00, 0.06
HSL	195°, 52%, 87%
HSV	195°, 15%, 94%
XYZ	68.7867, 75.6630, 92.6641
YIQ	223.2520, -18.3850, -2.7130

Conversions

Conversions Part 2

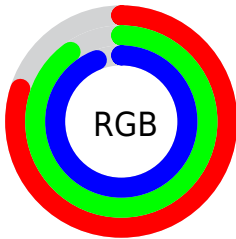
Format	Color
R_{YB}	204, 219, 239
Decimal	13428463
CIE _{Lab}	89.70, -6.71, -7.29
CIE _{LCh}	90, 9.901, 227.373
Yxy	75.6630, 0.2901, 0.3191
Android (android.graphics.Color)	4291618543 (0xFFCCE6EF)
YUV	223.2520, 7.7638, -16.8840
Hunter-Lab	86.9845, -11.0663, -2.2722

Details

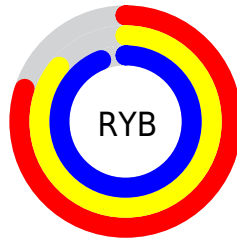
The Yxy color **75.6630, 0.2901, 0.3191** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3359, 0.3386, 0.3387**, and the grayscale version is **73.9394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5629, 0.2854, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **69.1697, 0.2749, 0.3115**, and if you desaturate by 10%, it is **82.8024, 0.3055, 0.3260**.

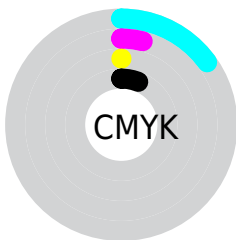
Distribution



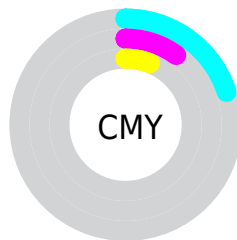
- Red (80%)
- Green (90%)
- Blue (94%)



- Red (80%)
- Yellow (86%)
- Blue (94%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (6%)



- Cyan (20%)
- Magenta (10%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6630, 0.2901, 0.3191 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 75.6630, 0.2901, 0.3191 by changing the saturation by 10% instead.

■ 75.6630, 0.2901,
0.3191

■ 75.6630, 0.2901,
0.3191

480.1933, 0.3004,
0.3237

■ 56.1562, 0.2878,
0.3180

127.2504, 0.2937,
0.3207

■ 40.3282, 0.2849,
0.3167

160.0999, 0.2950,
0.3213

■ 27.7945, 0.2813,
0.3150

198.1656, 0.2962,
0.3219

■ 18.1708, 0.2767,
0.3128

241.8321, 0.2973,
0.3224

■ 11.0727, 0.2704,
0.3097

291.4837, 0.2982,
0.3228

■ 6.1158, 0.2615,
0.3052

347.5049, 0.2990,

■ 2.9156, 0.2479,

0.3231

0.2981

410.2799, 0.2998,
0.3235

■ 1.0878, 0.2247,
0.2851

■ 0.0000, 0.0000,
0.0000

■ 75.6630, 0.2901,
0.3191

■ 75.6630, 0.2901,
0.3191

■ 69.1697, 0.2749,
0.3115

■ 82.8024, 0.3055,
0.3260

■ 63.2885, 0.2603,
0.3033

■ 90.6019, 0.3210,
0.3323

■ 57.9957, 0.2467,
0.2946

■ 94.9399, 0.3225,
0.3382

■ 53.2624, 0.2343,
0.2854

■ 98.8068, 0.3220,
0.3441

■ 49.0570, 0.2235,
0.2758

■ 99.0139, 0.3220,
0.3444

■ 45.3436, 0.2145,
0.2661

■ 42.0809, 0.2075,
0.2563

■ 39.2188, 0.2025,
0.2467

■ 37.8106, 0.2004,
0.2416

Harmonies

Analogous

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



75.6630, 0.2941, 0.3295



75.6630, 0.2901, 0.3191



75.6630, 0.2920, 0.3117

Triad

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



75.6630, 0.2901, 0.3191



75.6630, 0.3223, 0.3184



75.6630, 0.3259, 0.3496

Complementary

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



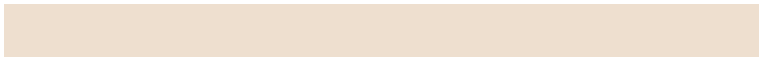
75.6630, 0.2901, 0.3191



70.3359, 0.3386, 0.3387

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.



75.6630, 0.3337, 0.3462



75.6630, 0.2901, 0.3191



75.6630, 0.3317, 0.3281

Square

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



75.6630, 0.2901, 0.3191



75.6630, 0.3105, 0.3115



75.6630, 0.3359, 0.3382



75.6630, 0.3146, 0.3474

Rectangle

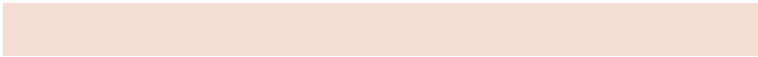
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



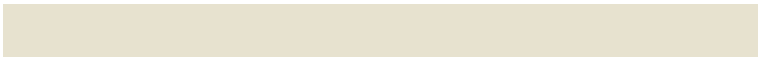
75.6630, 0.2901, 0.3191



75.6630, 0.2965, 0.3093



75.6630, 0.3359, 0.3382



75.6630, 0.3290, 0.3491

Sweetspot

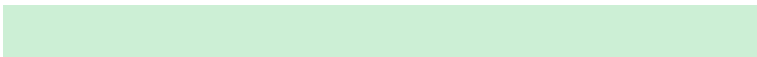
The Sweet Spot groups the original color and five complimentary colors.



75.6661, 0.2901, 0.3191



96.4482, 0.3065, 0.3264



79.3854, 0.3057, 0.3581



20.5039, 0.3053, 0.3259



0.0000, 0.0000, 0.0000



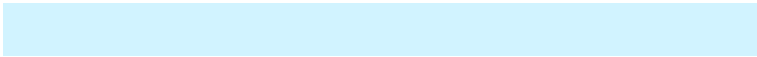
21.4041, 0.3127, 0.3290

Same Dimension

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



75.6661, 0.2901, 0.3191



84.9825, 0.2849, 0.3166



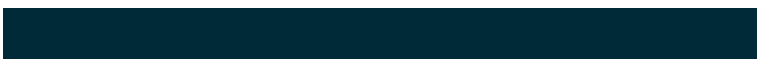
66.5506, 0.2894, 0.2999



17.1980, 0.2981, 0.3228



21.1116, 0.2009, 0.2431



1.9156, 0.2044, 0.2558

Inverse Universe

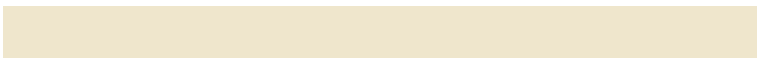
The Inverse Universe completely reimagines the original color for something new.



67.2664, 0.3208, 0.3019



73.3903, 0.3230, 0.2953



79.4668, 0.3360, 0.3565



15.9577, 0.3177, 0.3116



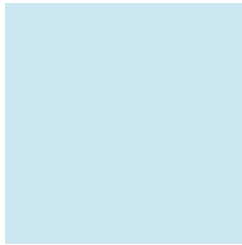
11.9246, 0.3991, 0.1972



1.0081, 0.3865, 0.1903

Previews

White Background



This preview shows how the Yxy color 75.6630, 0.2901, 0.3191 looks on a white background.

Color Contrast Check

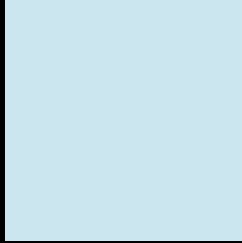
Large Text (above 18pt) WCAG AA × Fail

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 75.6630, 0.2901, 0.3191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

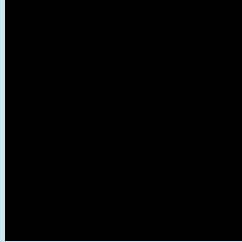
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

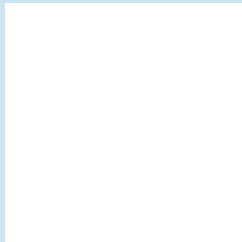
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6630, 0.2901, 0.3191

Background



This preview shows how black text looks on a background with the Yxy color 75.6630, 0.2901, 0.3191.

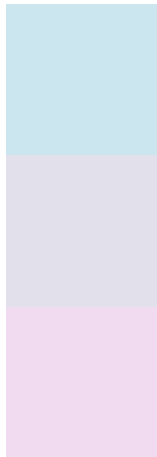


This preview shows how white text looks on a background with the Yxy color 75.6630, 0.2901, 0.3191.

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

75.6630, 0.2901, 0.3191

Protanopia

75.4782, 0.3070, 0.3174

Deuteranopia

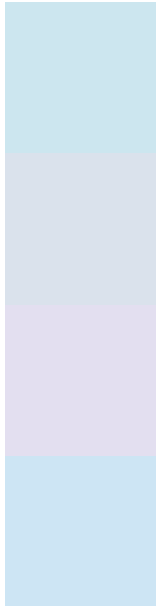
75.5392, 0.3131, 0.3066



Tritanopia

75.7332, 0.2861, 0.3096

Trichromacy



Original Color

75.6630, 0.2901, 0.3191

Protanomaly

75.3543, 0.3009, 0.3183

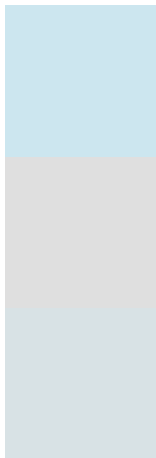
Deuteranomaly

75.3975, 0.3046, 0.3112

Tritanomaly

75.5494, 0.2878, 0.3127

Monochromacy



Original Color

75.6630, 0.2901, 0.3191

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.6488, 0.3040, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6630, 0.2901, 0.3191 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(204, 230, 239)` looks like.

```
.text, #text, p{  
    color:rgb(204, 230, 239)  
}
```

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(204, 230, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 230, 239) }
```

Border

The CSS property to change the border of an element to Yxy 75.6630, 0.2901, 0.3191 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(204, 230, 239) }
```

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

```
.border{ border-color:rgb(204, 230, 239) }
```

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

Here you see how a box with a 4 pixel rgb(204, 230, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 230, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 230, 239);  
box-shadow:4px 4px 4px 4px rgb(204, 230,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6630, 0.2901, 0.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 230, 239) }
```

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

```
.background{ background-color: rgb(204,  
230, 239) }
```

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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