

Converting Colors

$Yxy(73.8228, 0.2736, 0.3165)$

Have a look what the booklet for
Yxy(73.8228, 0.2736, 0.3165)
contains.

Yxy(73.8876, 0.2736, 0.3165)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.8876, 0.2736, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	B4E8F3
RGB	180, 232, 243
RGB Percent	71%, 91%, 95%
CMY	0.2938, 0.0903, 0.0470
CMYK	0.26, 0.05, 0.00, 0.05
HSL	191°, 72%, 83%
HSV	191°, 26%, 95%
XYZ	63.8725, 73.8876, 95.6920
YIQ	217.7060, -34.5230, -7.6030

Conversions

Conversions Part 2

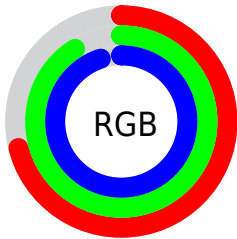
Format	Color
R _Y B	180, 208, 243
Decimal	11856115
CIE Lab	88.87, -14.07, -10.76
CIE LCh	89, 17.715, 217.420
Yxy	73.8876, 0.2736, 0.3165
Android (android.graphics.Color)	4290046195 (0xFFB4E8F3)
YUV	217.7060, 12.4699, -33.0682
Hunter-Lab	85.9579, -17.7888, -5.8337

Details

The Yxy color **73.8876, 0.2736, 0.3165** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.6651, 0.3651, 0.3411**, and the grayscale version is **69.8417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **39.0741, 0.2648, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **68.8561, 0.2598, 0.3110**, and if you desaturate by 10%, it is **79.4944, 0.2883, 0.3217**.

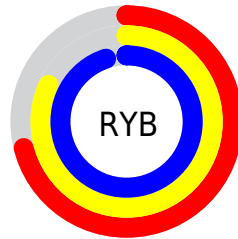
Distribution



Red (71%)

Green (91%)

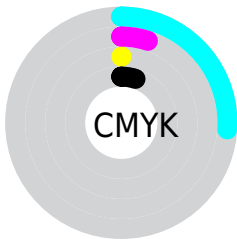
Blue (95%)



Red (71%)

Yellow (82%)

Blue (95%)

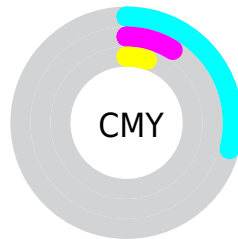


Cyan (26%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (29%)

Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8876, 0.2736, 0.3165 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 73.8876, 0.2736, 0.3165 by changing the saturation by 10% instead.

■ 73.8876, 0.2736,
0.3165

■ 73.8876, 0.2736,
0.3165

474.0853, 0.2914,
0.3225

■ 54.7020, 0.2696,
0.3151

■ 124.7365, 0.2797,
0.3186

■ 39.1632, 0.2647,
0.3133

157.1686, 0.2821,
0.3195

■ 26.8867, 0.2585,
0.3109

194.7850, 0.2842,
0.3202

■ 17.4882, 0.2506,
0.3078

237.9701, 0.2860,
0.3208

■ 10.5832, 0.2400,
0.3035

287.1083, 0.2876,
0.3213

■ 5.7873, 0.2250,
0.2970

342.5839, 0.2890,

■ 2.7162, 0.2027,

0.3218

0.2863

404.7815, 0.2903,
0.3222

0.9854, 0.1604,
0.2681

0.0000, 0.0000,
0.0000

73.8876, 0.2736,
0.3165

73.8876, 0.2736,
0.3165

68.8561, 0.2598,
0.3110

79.4944, 0.2883,
0.3217

64.3640, 0.2471,
0.3051

85.6928, 0.3036,
0.3264

60.3846, 0.2359,
0.2990

92.5093, 0.3191,
0.3307

56.8854, 0.2265,
0.2927

95.4896, 0.3201,
0.3348

■ 53.8296, 0.2190,
0.2863

■ 98.1510, 0.3198,
0.3389

■ 51.1741, 0.2135,
0.2799

■ 99.2514, 0.3197,
0.3405

■ 48.8659, 0.2098,
0.2736

■ 47.9840, 0.2086,
0.2710

Harmonies

Analogous

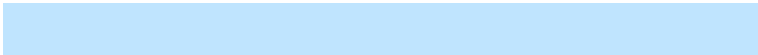
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8876, 0.2837, 0.3362



73.8876, 0.2736, 0.3165



73.8876, 0.2735, 0.3012

Triad

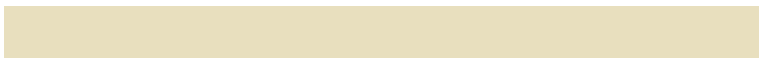
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8876, 0.2736, 0.3165



73.8876, 0.3230, 0.3055



73.8876, 0.3420, 0.3653

Complementary

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



73.8876, 0.2736, 0.3165



59.6651, 0.3651, 0.3411

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.



73.8876, 0.3533, 0.3555



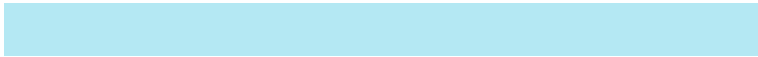
73.8876, 0.2736, 0.3165



73.8876, 0.3422, 0.3212

Square

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



73.8876, 0.2736, 0.3165



73.8876, 0.3015, 0.2956



73.8876, 0.3535, 0.3392



73.8876, 0.3229, 0.3652

Rectangle

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



73.8876, 0.2736, 0.3165



73.8876, 0.2792, 0.2953



73.8876, 0.3535, 0.3392



73.8876, 0.3468, 0.3630

Sweetspot

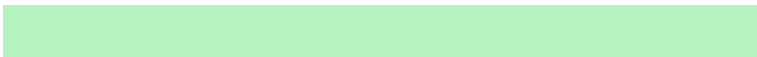
The Sweet Spot groups the original color and five complimentary colors.



73.8906, 0.2736, 0.3165



94.0754, 0.3003, 0.3254



77.5616, 0.3033, 0.3904



19.9081, 0.2980, 0.3247



0.0000, 0.0000, 0.0000



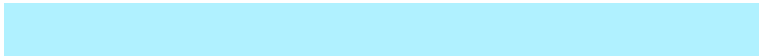
21.4041, 0.3127, 0.3290

Same Dimension

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



73.8906, 0.2736, 0.3165



79.4458, 0.2663, 0.3137



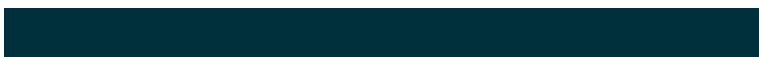
57.9885, 0.2702, 0.2802



18.2350, 0.2980, 0.3248



26.5124, 0.2089, 0.2721



2.4570, 0.2111, 0.2799

Inverse Universe

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



57.5607, 0.3243, 0.2750



58.6511, 0.3271, 0.2640



74.6153, 0.3570, 0.3734



16.7155, 0.3165, 0.3097



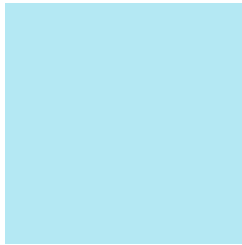
12.7758, 0.3709, 0.1817



1.1357, 0.3635, 0.1776

Previews

White Background



This preview shows how the Yxy color 73.8876, 0.2736, 0.3165 looks on a white background.

Color Contrast Check

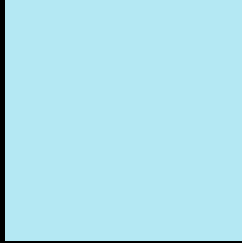
Large Text (above 18pt) WCAG AA × Fail

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 73.8876, 0.2736, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

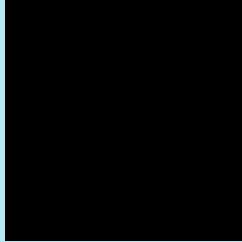
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.8876, 0.2736, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 73.8876, 0.2736, 0.3165.

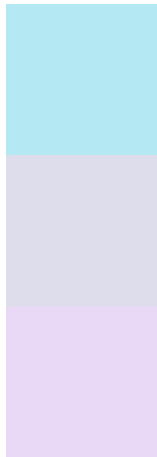


This preview shows how white text looks on a background with the Yxy color 73.8876, 0.2736, 0.3165.

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

73.8876, 0.2736, 0.3165

Protanopia

73.2986, 0.3037, 0.3130

Deuteranopia

73.0892, 0.3050, 0.2980



Tritanopia

73.8151, 0.2708, 0.3088

Trichromacy



Original Color

73.8876, 0.2736, 0.3165

Protanomaly

73.3478, 0.2919, 0.3137

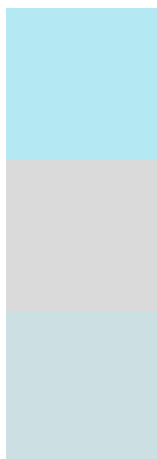
Deuteranomaly

73.1313, 0.2927, 0.3044

Tritanomaly

73.6910, 0.2719, 0.3110

Monochromacy



Original Color

73.8876, 0.2736, 0.3165

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.1588, 0.2971, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8876, 0.2736, 0.3165 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(180, 232, 243)` looks like.

```
.text, #text, p{  
    color:rgb(180, 232, 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(180, 232, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 232, 243) }
```

Border

The CSS property to change the border of an element to Yxy 73.8876, 0.2736, 0.3165 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(180, 232, 243) }
```

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

```
.border{ border-color:rgb(180, 232, 243) }
```

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

Here you see how a box with a 4 pixel rgb(180, 232, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 232, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 232, 243);  
box-shadow:4px 4px 4px 4px rgb(180, 232,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8876, 0.2736, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 232, 243) }
```

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

```
.background{ background-color: rgb(180,  
232, 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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