

Converting Colors

$Yxy(72.9988, 0.2633, 0.3157)$

Have a look what the booklet for
Yxy(72.9988, 0.2633, 0.3157)
contains.

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Color

Yxy(73.2247, 0.2635, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	A3EAF5
RGB	163, 234, 245
RGB Percent	64%, 92%, 96%
CMY	0.3608, 0.0823, 0.0393
CMYK	0.33, 0.04, 0.00, 0.04
HSL	188°, 80%, 80%
HSV	188°, 33%, 96%
XYZ	61.0013, 73.2247, 97.2780
YIQ	214.0250, -45.8470, -11.6310

Conversions

Conversions Part 2

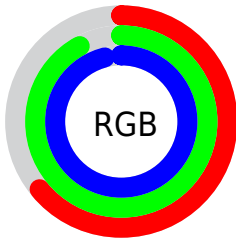
Format	Color
R_{YB}	163, 201, 245
Decimal	10742517
CIE _{Lab}	88.55, -19.38, -12.36
CIE _{LCh}	89, 22.982, 212.532
Yxy	73.2247, 0.2635, 0.3163
Android (android.graphics.Color)	4288932597 (0xFFA3EAF5)
YUV	214.0250, 15.2707, -44.7489
Hunter-Lab	85.5714, -22.5027, -7.5011

Details

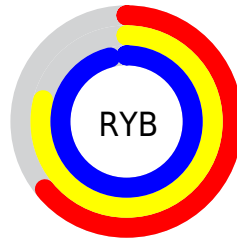
The Yxy color **73.2247, 0.2635, 0.3163** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.2993, 0.3874, 0.3412**, and the grayscale version is **67.1794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **38.7031, 0.2524, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **69.0407, 0.2509, 0.3119**, and if you desaturate by 10%, it is **77.9498, 0.2773, 0.3204**.

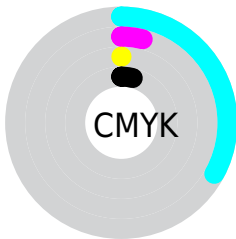
Distribution



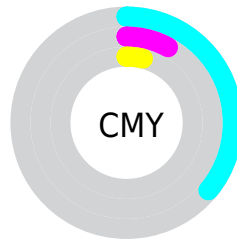
- Red (64%)
- Green (92%)
- Blue (96%)



- Red (64%)
- Yellow (79%)
- Blue (96%)



- Cyan (33%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)




- Cyan (36%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.2247, 0.2635, 0.3163 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 73.2247, 0.2635, 0.3163 by changing the saturation by 10% instead.

 73.2247, 0.2635,
0.3163

 73.2247, 0.2635,
0.3163

471.7932, 0.2859,
0.3226

 54.1597, 0.2585,
0.3148


 123.7961, 0.2712,
0.3186

 38.7294, 0.2524,
0.3128


 156.0714, 0.2742,
0.3194

 26.5493, 0.2447,
0.3103

193.5189, 0.2768,
0.3202

 17.2350, 0.2349,
0.3069

236.5229, 0.2791,
0.3208

 10.4022, 0.2218,
0.3020

285.4680, 0.2811,
0.3213

 5.6664, 0.2035,
0.2946

340.7385, 0.2828,

 2.6433, 0.1766,

0.3218

0.2823

402.7188, 0.2844,
0.3222

0.9485, 0.1186,
0.2633

0.0000, 0.0000,
0.0000

73.2247, 0.2635,
0.3163

73.2247, 0.2635,
0.3163

69.0407, 0.2509,
0.3119

77.9498, 0.2773,
0.3204

65.3597, 0.2399,
0.3073

83.2341, 0.2920,
0.3243

62.1526, 0.2306,
0.3026

89.1054, 0.3073,
0.3278

59.3832, 0.2232,
0.2979

94.4373, 0.3191,
0.3311

■ 57.0096, 0.2177,
0.2931

■ 96.4584, 0.3188,
0.3342

■ 54.9810, 0.2142,
0.2884

■ 98.5148, 0.3186,
0.3373

■ 53.7929, 0.2126,
0.2854

■ 99.3706, 0.3185,
0.3386

Harmonies

Analogous

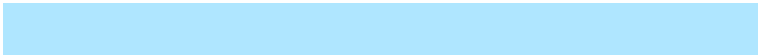
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2247, 0.2783, 0.3425



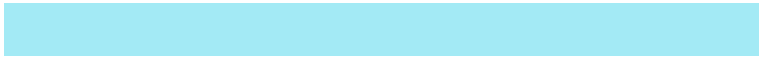
73.2247, 0.2635, 0.3163



73.2247, 0.2613, 0.2953

Triad

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



73.2247, 0.2635, 0.3163



73.2247, 0.3213, 0.2960



73.2247, 0.3539, 0.3749

Complementary

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



73.2247, 0.2635, 0.3163



52.2993, 0.3874, 0.3412

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.



73.2247, 0.3668, 0.3599



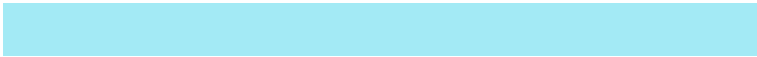
73.2247, 0.2635, 0.3163



73.2247, 0.3476, 0.3151

Square

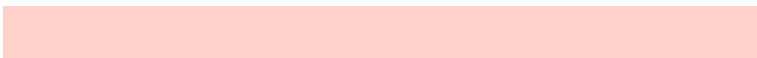
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.2247, 0.2635, 0.3163



73.2247, 0.2937, 0.2849



73.2247, 0.3645, 0.3380



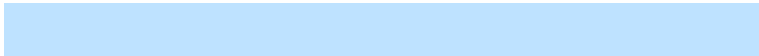
73.2247, 0.3301, 0.3776

Rectangle

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



73.2247, 0.2635, 0.3163



73.2247, 0.2671, 0.2867



73.2247, 0.3645, 0.3380



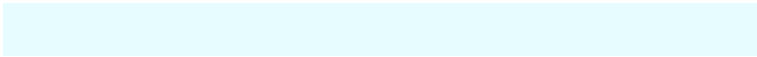
73.2247, 0.3597, 0.3710

Sweetspot

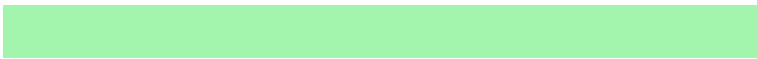
The Sweet Spot groups the original color and five complimentary colors.



73.2276, 0.2635, 0.3163



93.3253, 0.2972, 0.3256



76.1228, 0.3021, 0.4154



19.7860, 0.2951, 0.3250



0.0000, 0.0000, 0.0000



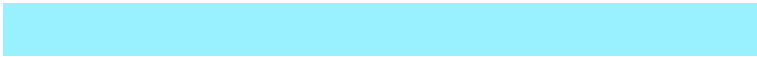
21.4041, 0.3127, 0.3290

Same Dimension

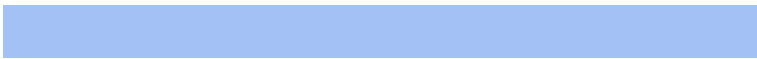
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2276, 0.2635, 0.3163



77.1215, 0.2550, 0.3134



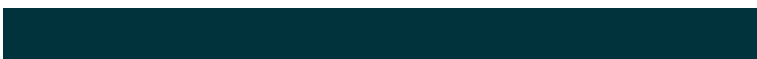
52.5349, 0.2571, 0.2666



18.3579, 0.2981, 0.3258



29.1368, 0.2128, 0.2861



2.6634, 0.2145, 0.2920

Inverse Universe

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



51.5364, 0.3256, 0.2558



50.4154, 0.3287, 0.2417



70.6039, 0.3729, 0.3841



16.7280, 0.3158, 0.3087



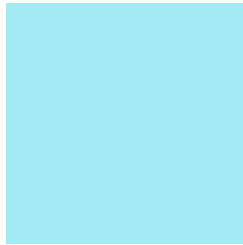
13.0408, 0.3578, 0.1745



1.1565, 0.3525, 0.1716

Previews

White Background



This preview shows how the Yxy color 73.2247, 0.2635, 0.3163 looks on a white background.

Color Contrast Check

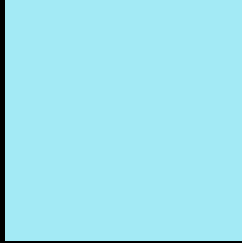
Large Text (above 18pt) WCAG AA × Fail

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 73.2247, 0.2635, 0.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

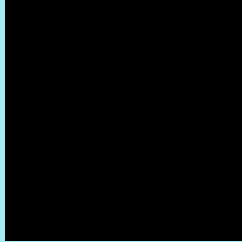
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.2247, 0.2635, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 73.2247, 0.2635, 0.3163.

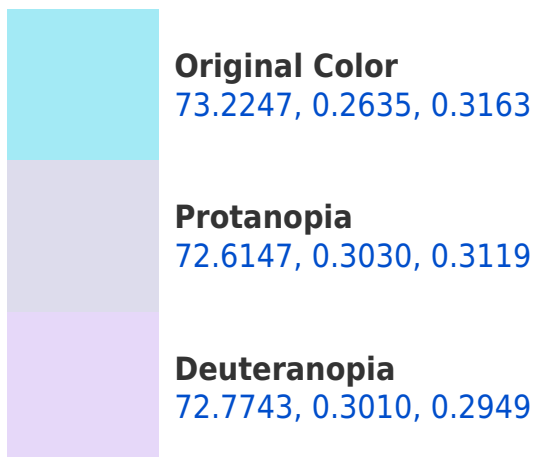


This preview shows how white text looks on a background with the Yxy color 73.2247, 0.2635, 0.3163.

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

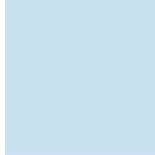
73.3054, 0.2609, 0.3074

Trichromacy



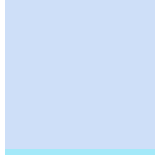
Original Color

73.2247, 0.2635, 0.3163



Protanomaly

72.3618, 0.2873, 0.3135



Deuteranomaly

72.6745, 0.2858, 0.3020



Tritanomaly

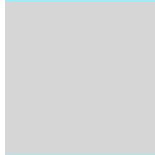
73.0099, 0.2619, 0.3106

Monochromacy



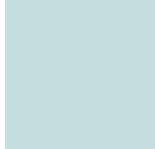
Original Color

73.2247, 0.2635, 0.3163



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

68.7512, 0.2923, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2247, 0.2635, 0.3163 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(163, 234, 245)` looks like.

```
.text, #text, p{  
    color:rgb(163, 234, 245)  
}
```

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(163, 234, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 234, 245) }
```

Border

The CSS property to change the border of an element to Yxy 73.2247, 0.2635, 0.3163 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(163, 234, 245) }
```

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

```
.border{ border-color:rgb(163, 234, 245) }
```

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

Here you see how a box with a 4 pixel rgb(163, 234, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 234, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 234, 245);  
box-shadow:4px 4px 4px 4px rgb(163, 234,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2247, 0.2635, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 234, 245) }
```

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

```
.background{ background-color: rgb(163,  
234, 245) }
```

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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