

Converting Colors

$Yxy(77.5739, 0.2705, 0.3290)$

Have a look what the booklet for
Yxy(77.5739, 0.2705, 0.3290)
contains.

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Color

Yxy(77.7479, 0.2706, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	AAF1F0
RGB	170, 241, 240
RGB Percent	67%, 95%, 94%
CMY	0.3336, 0.0548, 0.0587
CMYK	0.29, 0.00, 0.00, 0.05
HSL	179°, 72%, 81%
HSV	179°, 29%, 95%
XYZ	63.7533, 77.7479, 94.0985
YIQ	219.6570, -41.9950, -15.3630

Conversions

Conversions Part 2

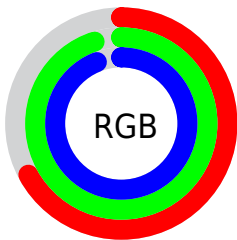
Format	Color
R_{YB}	170, 206, 241
Decimal	11203056
CIE _{Lab}	90.66, -22.08, -6.60
CIE _{LCh}	91, 23.046, 196.640
Yxy	77.7479, 0.2706, 0.3300
Android (android.graphics.Color)	4289393136 (0xFFAAF1F0)
YUV	219.6570, 10.0291, -43.5492
Hunter-Lab	88.1748, -25.2444, -1.5509

Details

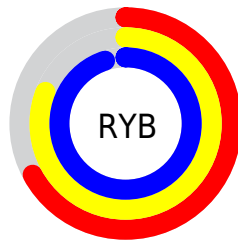
The Yxy color **77.7479, 0.2706, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.3688, 0.3777, 0.3281**, and the grayscale version is **71.2637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **41.8035, 0.2613, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **75.2878, 0.2588, 0.3304**, and if you desaturate by 10%, it is **80.7066, 0.2839, 0.3296**.

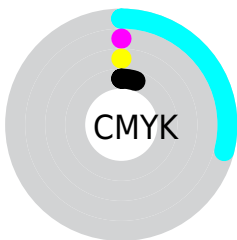
Distribution



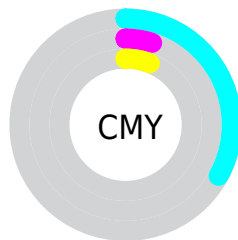
- Red (67%)
- Green (95%)
- Blue (94%)



- Red (67%)
- Yellow (81%)
- Blue (95%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)




- Cyan (33%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7479, 0.2706, 0.3300 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 77.7479, 0.2706, 0.3300 by changing the saturation by 10% instead.


 77.7479, 0.2706,
0.3300

 77.7479, 0.2706,
0.3300

487.3102, 0.2896,
0.3298

 57.8669, 0.2664,
0.3300


 130.1947, 0.2771,
0.3300

 41.7017, 0.2612,
0.3299

163.5293, 0.2797,
0.3300

 28.8678, 0.2547,
0.3298


202.1172, 0.2819,
0.3300

 18.9808, 0.2464,
0.3295

246.3428, 0.2838,
0.3299

 11.6564, 0.2353,
0.3289

296.5905, 0.2855,
0.3299

 6.5102, 0.2199,
0.3279

353.2447, 0.2871,

 3.1577, 0.1970,

0.3299

416.6898, 0.2884,
0.3299

0.3255

1.2146, 0.1545,
0.3217

0.0736, 0.0000,
0.1196

77.7479, 0.2706,
0.3300

77.7479, 0.2706,
0.3300

75.2878, 0.2588,
0.3304

80.7066, 0.2839,
0.3296

73.2900, 0.2486,
0.3308


84.1794, 0.2983,
0.3293

71.7280, 0.2403,
0.3313

88.1926, 0.3135,
0.3290

70.5690, 0.2340,
0.3317


90.5520, 0.3217,
0.3287

 69.7755, 0.2296,
0.3321


 90.5722, 0.3215,
0.3284


 69.3027, 0.2270,
0.3326


 90.5925, 0.3213,
0.3280

 69.0799, 0.2259,
0.3330

 90.6128, 0.3211,
0.3277

 69.0710, 0.2259,
0.3331

 90.6331, 0.3209,
0.3274

 90.6535, 0.3207,
0.3270

Harmonies

Analogous

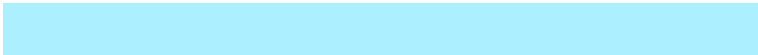
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7479, 0.2906, 0.3552



77.7479, 0.2706, 0.3300



77.7479, 0.2617, 0.3058

Triad

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



77.7479, 0.2706, 0.3300



77.7479, 0.3065, 0.2896



77.7479, 0.3616, 0.3675

Complementary

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



77.7479, 0.2706, 0.3300



50.3688, 0.3777, 0.3281

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.



77.7479, 0.3666, 0.3485



77.7479, 0.2706, 0.3300



77.7479, 0.3340, 0.3046

Square

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



77.7479, 0.2706, 0.3300



77.7479, 0.2817, 0.2839



77.7479, 0.3564, 0.3257



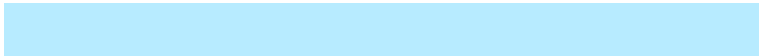
77.7479, 0.3432, 0.3771

Rectangle

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



77.7479, 0.2706, 0.3300



77.7479, 0.2629, 0.2937



77.7479, 0.3564, 0.3257



77.7479, 0.3649, 0.3619

Sweetspot

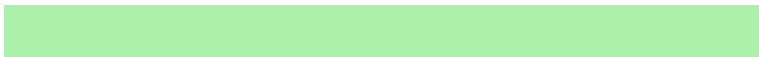
The Sweet Spot groups the original color and five complimentary colors.



77.7510, 0.2706, 0.3300



95.8835, 0.2990, 0.3293



74.4912, 0.3094, 0.4150



20.3908, 0.2968, 0.3293



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.



77.7510, 0.2706, 0.3300



86.7398, 0.2638, 0.3302



59.3536, 0.2656, 0.2884



17.9249, 0.2983, 0.3293



37.4524, 0.2258, 0.3330



3.1169, 0.2257, 0.3324

Inverse Universe

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



50.3688, 0.3777, 0.3281



51.2316, 0.3956, 0.3279



64.9287, 0.3679, 0.3664



15.7624, 0.3291, 0.3287



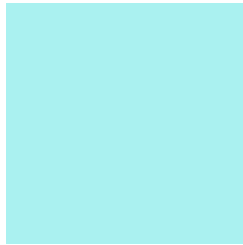
10.1466, 0.6386, 0.3291



0.8454, 0.6346, 0.3270

Previews

White Background



This preview shows how the Yxy color 77.7479, 0.2706, 0.3300 looks on a white background.

Color Contrast Check

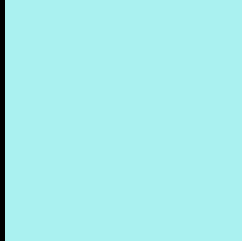
Large Text (above 18pt) WCAG AA × Fail

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 77.7479, 0.2706, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

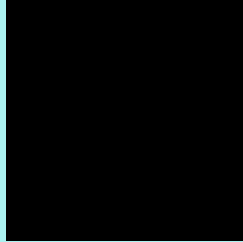
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7479, 0.2706, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 77.7479, 0.2706, 0.3300.

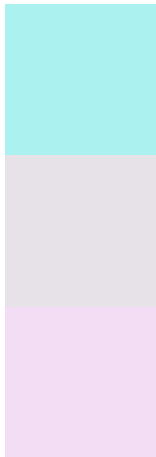


This preview shows how white text looks on a background with the Yxy color 77.7479, 0.2706, 0.3300.

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

77.7479, 0.2706, 0.3300

Protanopia

76.9852, 0.3123, 0.3238

Deuteranopia

77.1218, 0.3124, 0.3057



Tritanopia

77.3721, 0.2674, 0.3091

Trichromacy



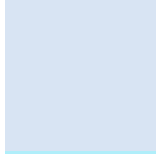
Original Color

77.7479, 0.2706, 0.3300



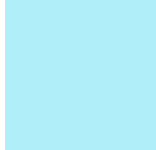
Protanomaly

76.5022, 0.2956, 0.3257



Deuteranomaly

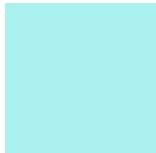
76.5568, 0.2954, 0.3130



Tritanomaly

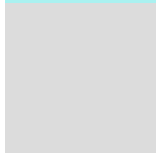
77.2813, 0.2684, 0.3155

Monochromacy



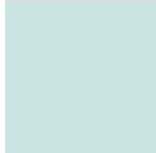
Original Color

77.7479, 0.2706, 0.3300



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.5894, 0.2959, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7479, 0.2706, 0.3300 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(170, 241, 240)` looks like.

```
.text, #text, p{  
    color:rgb(170, 241, 240)  
}
```

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(170, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 241, 240) }
```

Border

The CSS property to change the border of an element to Yxy 77.7479, 0.2706, 0.3300 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(170, 241, 240) }
```

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

```
.border{ border-color:rgb(170, 241, 240) }
```

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

Here you see how a box with a 4 pixel rgb(170, 241, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(170, 241,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7479, 0.2706, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 241, 240) }
```

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

```
.background{ background-color: rgb(170,  
241, 240) }
```

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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