

Converting Colors

$Yxy(64.8587, 0.2755, 0.3300)$

Have a look what the booklet for
Yxy(64.8587, 0.2755, 0.3300)
contains.

Yxy(64.7727, 0.2756, 0.3301)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.7727, 0.2756, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	A4DDDC
RGB	164, 221, 220
RGB Percent	64%, 87%, 86%
CMY	0.3570, 0.1333, 0.1372
CMYK	0.26, 0.00, 0.00, 0.13
HSL	179°, 46%, 75%
HSV	179°, 26%, 87%
XYZ	54.0786, 64.7727, 77.3701
YIQ	203.8430, -33.6510, -12.3950

Conversions

Conversions Part 2

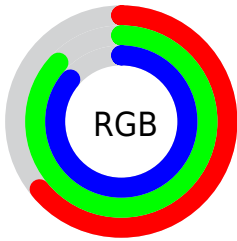
Format	Color
RYB	164, 193, 221
Decimal	10804700
CIELab	84.37, -18.30, -5.43
CIELCh	84, 19.085, 196.516
Yxy	64.7727, 0.2756, 0.3301
Android (android.graphics.Color)	4288994780 (0xFFA4DDDC)
YUV	203.8430, 7.9654, -34.9423
Hunter-Lab	80.4815, -20.9015, -0.6608

Details

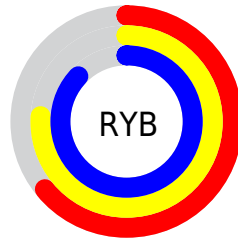
The Yxy color **64.7727, 0.2756, 0.3301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.6244, 0.3666, 0.3280**, and the grayscale version is **60.2403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **33.3040, 0.2665, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **62.6049, 0.2633, 0.3306**, and if you desaturate by 10%, it is **67.3543, 0.2892, 0.3296**.

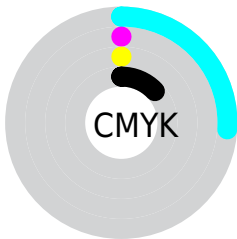
Distribution



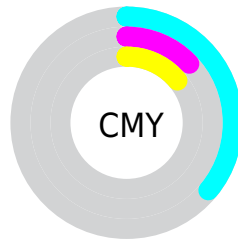
- Red (64%)
- Green (87%)
- Blue (86%)



- Red (64%)
- Yellow (76%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (36%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7727, 0.2756, 0.3301 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 64.7727, 0.2756, 0.3301 by changing the saturation by 10% instead.


 64.7727, 0.2756,
0.3301

 64.7727, 0.2756,
0.3301


441.9747, 0.2930,
0.3298

 47.2768, 0.2716,
0.3301


 111.7230, 0.2817,
0.3300

 33.2545, 0.2666,
0.3301


 141.9462, 0.2840,
0.3300

 22.3215, 0.2603,
0.3300


177.1806, 0.2860,
0.3300

 14.0933, 0.2519,
0.3298

217.8106, 0.2878,
0.3299

 8.1856, 0.2404,
0.3294

264.2206, 0.2893,
0.3299

 4.2139, 0.2237,
0.3284

316.7951, 0.2907,

 1.7939, 0.1972,

0.3299

0.3259

375.9183, 0.2919,
0.3298

0.4834, 0.0091,
0.3448

0.0000, 0.0000,
0.0000

64.7727, 0.2756,
0.3301

64.7727, 0.2756,
0.3301

62.6049, 0.2633,
0.3306

67.3543, 0.2892,
0.3296

60.8220, 0.2525,
0.3311

70.3615, 0.3039,
0.3292

59.4035, 0.2436,
0.3317

73.8153, 0.3192,
0.3288

58.3239, 0.2365,
0.3322

77.7329, 0.3350,
0.3285

■ 57.5546, 0.2314,
0.3328

■ 78.2507, 0.3366,
0.3281

■ 57.0619, 0.2281,
0.3333

■ 78.2714, 0.3364,
0.3277

■ 56.8047, 0.2265,
0.3339

■ 78.2923, 0.3361,
0.3274

■ 56.7365, 0.2262,
0.3341

■ 78.3132, 0.3358,
0.3270

■ 78.3341, 0.3356,
0.3266

Harmonies

Analogous

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



64.7727, 0.2934, 0.3521



64.7727, 0.2756, 0.3301



64.7727, 0.2676, 0.3088

Triad

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



64.7727, 0.2756, 0.3301



64.7727, 0.3072, 0.2941



64.7727, 0.3558, 0.3630

Complementary

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



64.7727, 0.2756, 0.3301



44.6244, 0.3666, 0.3280

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.



64.7727, 0.3601, 0.3463



64.7727, 0.2756, 0.3301



64.7727, 0.3314, 0.3074

Square

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



64.7727, 0.2756, 0.3301



64.7727, 0.2853, 0.2891



64.7727, 0.3510, 0.3262



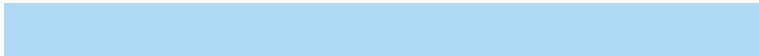
64.7727, 0.3397, 0.3712

Rectangle

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



64.7727, 0.2756, 0.3301



64.7727, 0.2686, 0.2981



64.7727, 0.3510, 0.3262



64.7727, 0.3587, 0.3581

Sweetspot

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



64.7753, 0.2756, 0.3301



96.3112, 0.3005, 0.3293



62.4899, 0.3106, 0.4022



20.4757, 0.2982, 0.3294



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.



64.7753, 0.2756, 0.3301



87.8754, 0.2687, 0.3304



51.8647, 0.2720, 0.2955



14.8254, 0.2985, 0.3294



32.9568, 0.2261, 0.3340



2.1364, 0.2259, 0.3331

Inverse Universe

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



44.6244, 0.3666, 0.3280



55.4788, 0.3824, 0.3278



55.1326, 0.3598, 0.3603



13.0552, 0.3289, 0.3286



8.9366, 0.6381, 0.3289



0.5803, 0.6320, 0.3255

Previews

White Background



This preview shows how the Yxy color 64.7727, 0.2756, 0.3301 looks on a white background.

Color Contrast Check

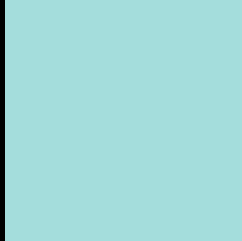
Large Text (above 18pt) WCAG AA × Fail

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 64.7727, 0.2756, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

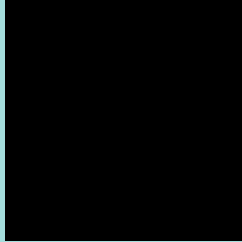
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

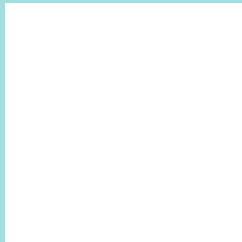
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7727, 0.2756, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 64.7727, 0.2756, 0.3301.

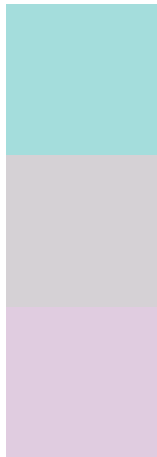


This preview shows how white text looks on a background with the Yxy color 64.7727, 0.2756, 0.3301.

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

64.7727, 0.2756, 0.3301

Protanopia

64.5512, 0.3129, 0.3245

Deuteranopia

64.4148, 0.3137, 0.3072



Tritanopia

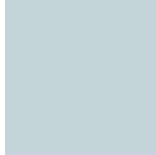
64.9347, 0.2683, 0.3088

Trichromacy



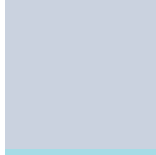
Original Color

64.7727, 0.2756, 0.3301



Protanomaly

64.1485, 0.2978, 0.3255



Deuteranomaly

63.9775, 0.2982, 0.3141



Tritanomaly

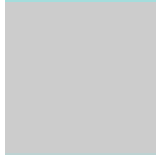
65.0066, 0.2711, 0.3170

Monochromacy



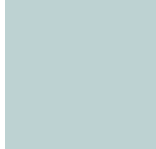
Original Color

64.7727, 0.2756, 0.3301



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

61.5651, 0.2974, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7727, 0.2756, 0.3301 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(164, 221, 220)` looks like.

```
.text, #text, p{  
    color:rgb(164, 221, 220)  
}
```

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(164, 221, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 221, 220) }
```

Border

The CSS property to change the border of an element to Yxy 64.7727, 0.2756, 0.3301 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(164, 221, 220) }
```

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

```
.border{ border-color:rgb(164, 221, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 221, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 221, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 221, 220);  
box-shadow:4px 4px 4px 4px rgb(164, 221,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7727, 0.2756, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 221, 220) }
```

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

```
.background{ background-color: rgb(164,  
221, 220) }
```

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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