

Converting Colors

$Yxy(72.7461, 0.2783, 0.3535)$

Have a look what the booklet for
Yxy(72.7461, 0.2783, 0.3535)
contains.

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Color

Yxy(72.6302, 0.2783, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	A2ECD8
RGB	162, 236, 216
RGB Percent	64%, 93%, 85%
CMY	0.3645, 0.0745, 0.1531
CMYK	0.31, 0.00, 0.08, 0.07
HSL	164°, 66%, 78%
HSV	164°, 31%, 93%
XYZ	57.2930, 72.6302, 75.9447
YIQ	211.5940, -37.6840, -21.9080

Conversions

Conversions Part 2

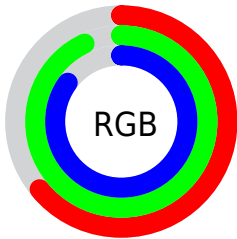
Format	Color
RYB	162, 205, 236
Decimal	10677464
CIELab	88.27, -27.08, 2.41
CIELCh	88, 27.183, 174.915
Yxy	72.6302, 0.2783, 0.3528
Android (android.graphics.Color)	4288867544 (0xFFA2ECD8)
YUV	211.5940, 2.1722, -43.4939
Hunter-Lab	85.2234, -29.1408, 6.8215

Details

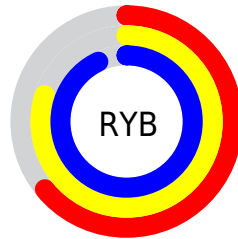
The Yxy color **72.6302, 0.2783, 0.3528** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0682, 0.3647, 0.3067**, and the grayscale version is **65.5647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **38.4039, 0.2706, 0.3591** is the 20% darker color. If you saturate the color by 10%, you get **70.0643, 0.2692, 0.3618**, and if you desaturate by 10%, it is **75.6787, 0.2885, 0.3445**.

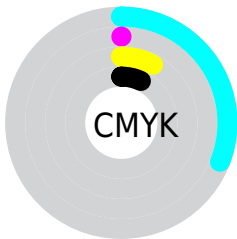
Distribution



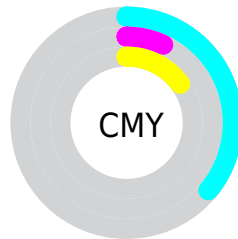
- Red (64%)
- Green (93%)
- Blue (85%)



- Red (64%)
- Yellow (80%)
- Blue (93%)



- Cyan (31%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)




- Cyan (36%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6302, 0.2783, 0.3528 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 72.6302, 0.2783, 0.3528 by changing the saturation by 10% instead.


 72.6302, 0.2783,
0.3528


 72.6302, 0.2783,
0.3528


469.7321, 0.2943,
0.3417

 53.6736, 0.2746,
0.3554

 122.9521, 0.2838,
0.3489

 38.3408, 0.2701,
0.3586


 155.0862, 0.2860,
0.3474

 26.2473, 0.2644,
0.3626


192.3816, 0.2879,
0.3461

 17.0087, 0.2569,
0.3680

235.2227, 0.2895,
0.3450

 10.2407, 0.2467,
0.3754

283.9940, 0.2909,
0.3440

 5.5589, 0.2319,
0.3862


339.0797, 0.2921,

 2.5787, 0.2089,


0.3431

400.8643, 0.2933,
0.3424


0.4034


 0.9160, 0.1071,
0.4688


 0.0000, 0.0000,
0.0000


 72.6302, 0.2783,
0.3528


 72.6302, 0.2783,
0.3528


 70.0643, 0.2692,
0.3618

 75.6787, 0.2885,
0.3445


 67.9460, 0.2615,
0.3713


 79.2250, 0.2996,
0.3368


 66.2495, 0.2554,
0.3812


 83.2945, 0.3111,
0.3299

 64.9427, 0.2513,
0.3914


 87.6341, 0.3220,
0.3236


 63.9889, 0.2492,
0.4017

 88.0239, 0.3180,
0.3175

 63.3438, 0.2490,
0.4119

 88.4273, 0.3140,
0.3114

 62.9731, 0.2502,
0.4207

 88.4711, 0.3136,
0.3107

Harmonies

Analogous

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



72.6302, 0.3086, 0.3781



72.6302, 0.2783, 0.3528



72.6302, 0.2578, 0.3212

Triad

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



72.6302, 0.2783, 0.3528



72.6302, 0.2827, 0.2758



72.6302, 0.3780, 0.3590

Complementary

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



72.6302, 0.2783, 0.3528



47.0682, 0.3647, 0.3067

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.



72.6302, 0.3707, 0.3323



72.6302, 0.2783, 0.3528



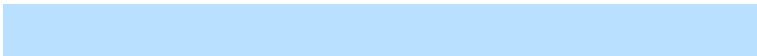
72.6302, 0.3142, 0.2860

Square

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



72.6302, 0.2783, 0.3528



72.6302, 0.2602, 0.2783



72.6302, 0.3468, 0.3062



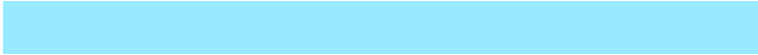
72.6302, 0.3668, 0.3798

Rectangle

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



72.6302, 0.2783, 0.3528



72.6302, 0.2518, 0.3022



72.6302, 0.3468, 0.3062



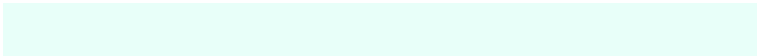
72.6302, 0.3777, 0.3504

Sweetspot

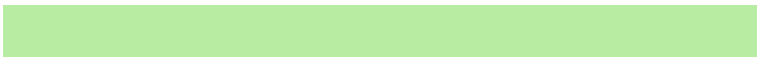
The Sweet Spot groups the original color and five complimentary colors.



72.6332, 0.2783, 0.3528



95.5103, 0.3022, 0.3352



72.6680, 0.3221, 0.4177



20.2982, 0.3005, 0.3362



0.0000, 0.0000, 0.0000



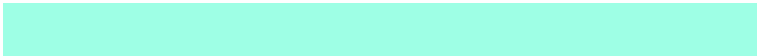
21.4041, 0.3127, 0.3290

Same Dimension

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



72.6332, 0.2783, 0.3528



84.4429, 0.2719, 0.3589



64.9155, 0.2656, 0.3099



17.0482, 0.3017, 0.3355



34.7346, 0.2497, 0.4191



2.7434, 0.2458, 0.4050

Inverse Universe

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



47.0682, 0.3647, 0.3067



49.2229, 0.3811, 0.3017



52.3098, 0.3787, 0.3472



15.1211, 0.3250, 0.3226



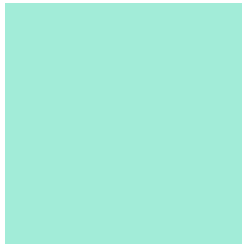
10.0518, 0.5859, 0.3001



0.8050, 0.5466, 0.2785

Previews

White Background



This preview shows how the Yxy color 72.6302, 0.2783, 0.3528 looks on a white background.

Color Contrast Check

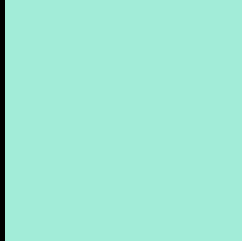
Large Text (above 18pt) WCAG AA × Fail

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 72.6302, 0.2783, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

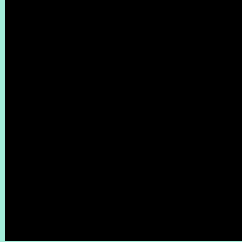
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

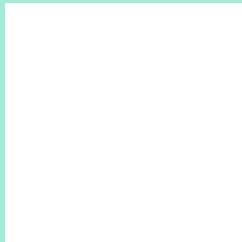
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.6302, 0.2783, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 72.6302, 0.2783, 0.3528.

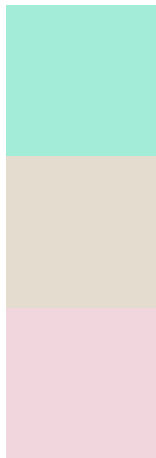


This preview shows how white text looks on a background with the Yxy color 72.6302, 0.2783, 0.3528.

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

72.6302, 0.2783, 0.3528

Protanopia

72.1854, 0.3273, 0.3431

Deuteranopia

72.1908, 0.3286, 0.3218



Tritanopia

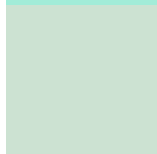
72.6000, 0.2642, 0.3074

Trichromacy



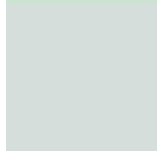
Original Color

72.6302, 0.2783, 0.3528



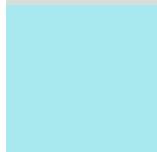
Protanomaly

71.8832, 0.3077, 0.3471



Deuteranomaly

71.5032, 0.3083, 0.3323



Tritanomaly

72.6664, 0.2690, 0.3231

Monochromacy



Original Color

72.6302, 0.2783, 0.3528



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.9863, 0.2991, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6302, 0.2783, 0.3528 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(162, 236, 216)` looks like.

```
.text, #text, p{  
    color:rgb(162, 236, 216)  
}
```

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(162, 236, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 236, 216) }
```

Border

The CSS property to change the border of an element to Yxy 72.6302, 0.2783, 0.3528 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(162, 236, 216) }
```

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

```
.border{ border-color:rgb(162, 236, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 236, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 236, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 236, 216);  
box-shadow:4px 4px 4px 4px rgb(162, 236,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6302, 0.2783, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 236, 216) }
```

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

```
.background{ background-color: rgb(162,  
236, 216) }
```

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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