

Converting Colors

$Yxy(68.9830, 0.2815, 0.3254)$

Have a look what the booklet for
Yxy(68.9830, 0.2815, 0.3254)
contains.

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Color

Yxy(69.1552, 0.2812, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	B4E1E4
RGB	180, 225, 228
RGB Percent	71%, 88%, 89%
CMY	0.2939, 0.1177, 0.1058
CMYK	0.21, 0.01, 0.00, 0.11
HSL	184°, 47%, 80%
HSV	184°, 21%, 89%
XYZ	59.7617, 69.1552, 83.6068
YIQ	211.8870, -27.7830, -8.6070

Conversions

Conversions Part 2

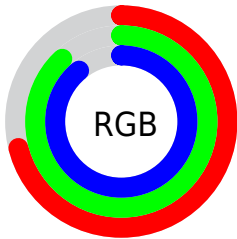
Format	Color
RYB	180, 203, 228
Decimal	11854308
CIELab	86.58, -13.81, -6.28
CIELCh	87, 15.170, 204.453
Yxy	69.1552, 0.2812, 0.3254
Android (android.graphics.Color)	4290044388 (0xFFB4E1E4)
YUV	211.8870, 7.9437, -27.9649
Hunter-Lab	83.1596, -17.2524, -1.3971

Details

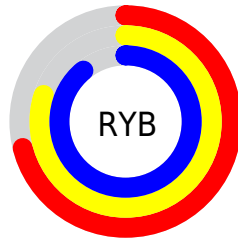
The Yxy color **69.1552, 0.2812, 0.3254** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.6928, 0.3543, 0.3326**, and the grayscale version is **65.7278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **36.2022, 0.2734, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **65.8680, 0.2676, 0.3235**, and if you desaturate by 10%, it is **72.9048, 0.2958, 0.3272**.

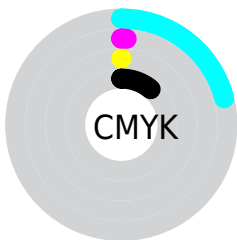
Distribution



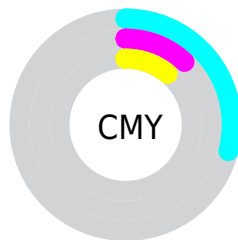
- Red (71%)
- Green (88%)
- Blue (89%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1552, 0.2812, 0.3254 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 69.1552, 0.2812, 0.3254 by changing the saturation by 10% instead.

■ 69.1552, 0.2812,
0.3254

■ 69.1552, 0.2812,
0.3254

457.5782, 0.2958,
0.3273

■ 50.8381, 0.2779,
0.3249

■ 118.0032, 0.2863,
0.3261

■ 36.0798, 0.2737,
0.3243

149.3029, 0.2882,
0.3263

■ 24.4958, 0.2685,
0.3235

185.6990, 0.2899,
0.3266

■ 15.7018, 0.2617,
0.3224

227.5758, 0.2914,
0.3267

■ 9.3134, 0.2524,
0.3207

275.3177, 0.2927,
0.3269

■ 4.9462, 0.2390,
0.3180

329.3092, 0.2938,

■ 2.2157, 0.2182,

0.3270

389.9345, 0.2949,
0.3272

0.3132

0.7285, 0.1517,
0.3111

0.0000, 0.0000,
0.0000

69.1552, 0.2812,
0.3254

69.1552, 0.2812,
0.3254

65.8680, 0.2676,
0.3235

72.9048, 0.2958,
0.3272

63.0127, 0.2554,
0.3215

77.1288, 0.3111,
0.3288

60.5683, 0.2448,
0.3194

81.8493, 0.3268,
0.3303

58.5085, 0.2359,
0.3172

83.8688, 0.3313,
0.3318

■ 56.8043, 0.2290,
0.3151

■ 84.6755, 0.3311,
0.3332

■ 55.4220, 0.2240,
0.3129

■ 85.4887, 0.3310,
0.3346

■ 54.3217, 0.2208,
0.3108

■ 86.3086, 0.3308,
0.3360

■ 53.5148, 0.2192,
0.3090

■ 87.1352, 0.3306,
0.3374

■ 87.9684, 0.3305,
0.3388

Harmonies

Analogous

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



69.1552, 0.2934, 0.3427



69.1552, 0.2812, 0.3254



69.1552, 0.2772, 0.3098

Triad

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



69.1552, 0.2812, 0.3254



69.1552, 0.3136, 0.3037



69.1552, 0.3437, 0.3580

Complementary

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



69.1552, 0.2812, 0.3254



53.6928, 0.3543, 0.3326

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.



69.1552, 0.3496, 0.3466



69.1552, 0.2812, 0.3254



69.1552, 0.3319, 0.3157

Square

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



69.1552, 0.2812, 0.3254



69.1552, 0.2955, 0.2980



69.1552, 0.3452, 0.3312



69.1552, 0.3295, 0.3618

Rectangle

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



69.1552, 0.2812, 0.3254



69.1552, 0.2796, 0.3025



69.1552, 0.3452, 0.3312



69.1552, 0.3467, 0.3549

Sweetspot

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



69.1580, 0.2812, 0.3254



96.5990, 0.3034, 0.3280



68.6008, 0.3085, 0.3843



20.5999, 0.3024, 0.3279



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.



69.1580, 0.2812, 0.3254



87.3118, 0.2755, 0.3246



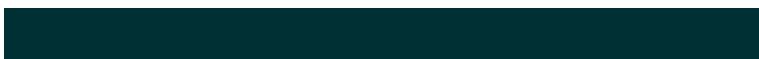
57.3828, 0.2793, 0.2975



16.1726, 0.2982, 0.3275



30.9633, 0.2193, 0.3093



2.3354, 0.2201, 0.3123

Inverse Universe

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



54.5967, 0.3175, 0.2800



65.5946, 0.3186, 0.2702



64.1451, 0.3490, 0.3586



14.5987, 0.3148, 0.3073



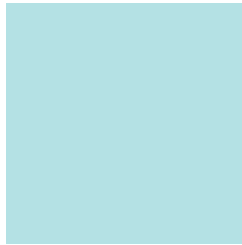
12.3235, 0.3373, 0.1632



0.9154, 0.3347, 0.1617

Previews

White Background



This preview shows how the Yxy color 69.1552, 0.2812, 0.3254 looks on a white background.

Color Contrast Check

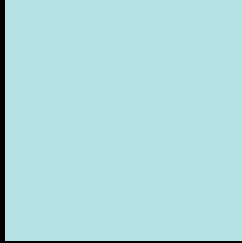
Large Text (above 18pt) WCAG AA × Fail

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 69.1552, 0.2812, 0.3254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

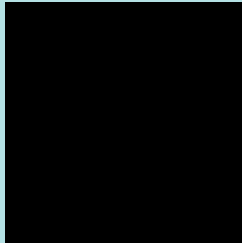
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

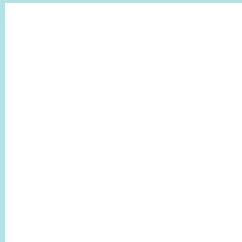
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.1552, 0.2812, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 69.1552, 0.2812, 0.3254.



This preview shows how white text looks on a background with the Yxy color 69.1552, 0.2812, 0.3254.

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

69.1552, 0.2812, 0.3254

Protanopia

68.7802, 0.3102, 0.3213

Deuteranopia

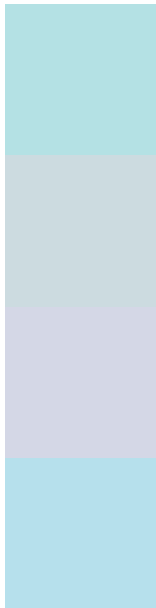
68.6857, 0.3130, 0.3067



Tritanopia

69.1935, 0.2755, 0.3085

Trichromacy



Original Color

69.1552, 0.2812, 0.3254

Protanomaly

68.8822, 0.2990, 0.3233

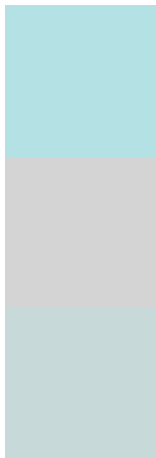
Deuteranomaly

68.3111, 0.3007, 0.3125

Tritanomaly

69.3125, 0.2778, 0.3152

Monochromacy



Original Color

69.1552, 0.2812, 0.3254

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.9670, 0.3000, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1552, 0.2812, 0.3254 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, 225, 228)` looks like.

```
.text, #text, p{  
    color:rgb(180, 225, 228)  
}
```

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, 225, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 225, 228) }
```

Border

The CSS property to change the border of an element to Yxy 69.1552, 0.2812, 0.3254 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, 225, 228) }
```

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

```
.border{ border-color:rgb(180, 225, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 225, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 225, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 225, 228); box-shadow:4px 4px 4px 4px rgb(180, 225, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1552, 0.2812, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 225, 228) }
```

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

```
.background{ background-color: rgb(180,  
225, 228) }
```

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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