

Converting Colors

$Y_{xy}(55.9490, 0.2318, 0.3148)$

Have a look what the booklet for
Yxy(55.9490, 0.2318, 0.3148)
contains.

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Color

Yxy(56.1392, 0.2318, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	4CD8E2
RGB	76, 216, 226
RGB Percent	30%, 85%, 89%
CMY	0.7021, 0.1529, 0.1138
CMYK	0.66, 0.04, 0.00, 0.11
HSL	184°, 72%, 59%
HSV	184°, 66%, 89%
XYZ	41.2589, 56.1392, 80.5955
YIQ	175.2800, -86.6500, -26.5700

Conversions

Conversions Part 2

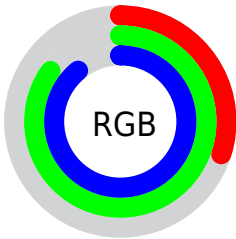
Format	Color
RYB	76, 148, 226
Decimal	5036258
CIELab	79.69, -33.88, -15.93
CIELCh	80, 37.442, 205.178
Yxy	56.1392, 0.2318, 0.3154
Android (android.graphics.Color)	4283226338 (0xFF4CD8E2)
YUV	175.2800, 25.0050, -87.0686
Hunter-Lab	74.9261, -32.8276, -11.3280

Details

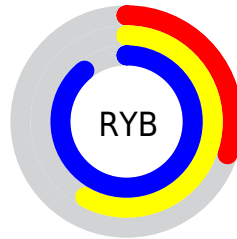
The Yxy color **56.1392, 0.2318, 0.3154** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.3324, 0.5234, 0.3394**, and the grayscale version is **42.9202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **28.4300, 0.2197, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **54.6070, 0.2259, 0.3131**, and if you desaturate by 10%, it is **58.0075, 0.2397, 0.3177**.

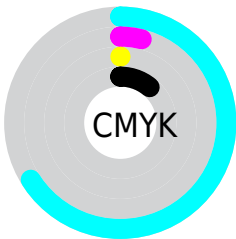
Distribution



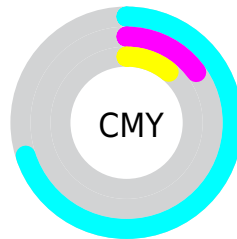
- Red (30%)
- Green (85%)
- Blue (89%)



- Red (30%)
- Yellow (58%)
- Blue (89%)



- Cyan (66%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)





- Cyan (70%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1392, 0.2318, 0.3154 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 56.1392, 0.2318, 0.3154 by changing the saturation by 10% instead.


 56.1392, 0.2318,
0.3154


 56.1392, 0.2318,
0.3154


410.2159, 0.2698,
0.3232


 40.3145, 0.2231,
0.3132

 99.2081, 0.2450,
0.3184


 27.7839, 0.2123,
0.3103


 127.2211, 0.2502,
0.3195

 18.1628, 0.1986,
0.3063


 160.0656, 0.2546,
0.3204

 11.0669, 0.1809,
0.3005

 198.1262, 0.2584,
0.3211

 6.1119, 0.1572,
0.2914

241.7871, 0.2618,
0.3217

 2.9132, 0.1244,
0.2760

291.4327, 0.2648,

 1.0866, 0.0453,

0.3223

0.2555

347.4475, 0.2674,
0.3228

0.0000, 0.0000,
0.0000

56.1392, 0.2318,
0.3154

56.1392, 0.2318,
0.3154

54.6070, 0.2259,
0.3131

58.0075, 0.2397,
0.3177

53.3688, 0.2218,
0.3109

60.2361, 0.2494,
0.3199

52.3817, 0.2195,
0.3087

62.8544, 0.2609,
0.3221

52.0585, 0.2189,
0.3079

65.8868, 0.2738,
0.3242

69.3556, 0.2879,
0.3261

73.2818, 0.3028,
0.3279

77.6848, 0.3184,
0.3296

82.2489, 0.3330,
0.3311

83.0789, 0.3328,
0.3326

Harmonies

Analogous

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



56.1392, 0.2607, 0.3646



56.1392, 0.2318, 0.3154



56.1392, 0.2233, 0.2756

Triad

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



56.1392, 0.2318, 0.3154



56.1392, 0.3146, 0.2668



56.1392, 0.3926, 0.4037

Complementary

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



56.1392, 0.2318, 0.3154



23.3324, 0.5234, 0.3394

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.



56.1392, 0.4108, 0.3714



56.1392, 0.2318, 0.3154



56.1392, 0.3641, 0.2954

Square

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



56.1392, 0.2318, 0.3154



56.1392, 0.2681, 0.2518



56.1392, 0.4005, 0.3325



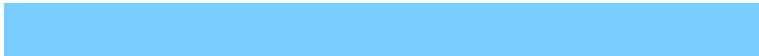
56.1392, 0.3532, 0.4183

Rectangle

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



56.1392, 0.2318, 0.3154



56.1392, 0.2295, 0.2591



56.1392, 0.4005, 0.3325



56.1392, 0.4015, 0.3943

Sweetspot

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



56.1413, 0.2318, 0.3154



89.4340, 0.2825, 0.3254



56.5475, 0.3000, 0.5344



18.8669, 0.2785, 0.3248



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.



56.1413, 0.2318, 0.3154



71.0972, 0.2239, 0.3122



26.8125, 0.2060, 0.2077



15.4082, 0.2982, 0.3274



29.7758, 0.2190, 0.3082



2.1115, 0.2199, 0.3116

Inverse Universe

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



26.2883, 0.3304, 0.1875



30.0051, 0.3342, 0.1718



41.3024, 0.4556, 0.4184



13.9191, 0.3148, 0.3074



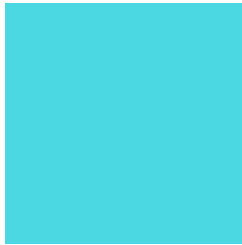
11.9139, 0.3383, 0.1637



0.8306, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 56.1392, 0.2318, 0.3154 looks on a white background.

Color Contrast Check

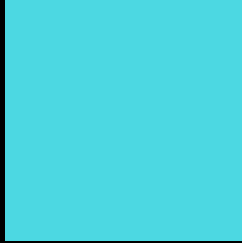
Large Text (above 18pt) WCAG AA × Fail

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 56.1392, 0.2318, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

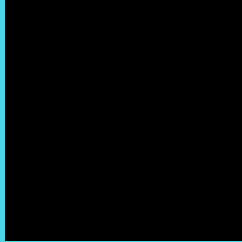
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

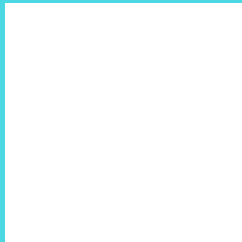
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.1392, 0.2318, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 56.1392, 0.2318, 0.3154.



This preview shows how white text looks on a background with the Yxy color 56.1392, 0.2318, 0.3154.

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

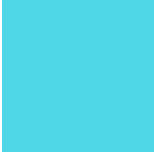
56.1392, 0.2318, 0.3154

Protanopia

55.3858, 0.3004, 0.3087

Deuteranopia

55.0369, 0.2895, 0.2828



Tritanopia

56.0893, 0.2298, 0.3063

Trichromacy



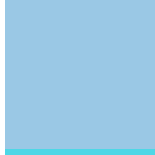
Original Color

56.1392, 0.2318, 0.3154



Protanomaly

54.3970, 0.2677, 0.3110



Deuteranomaly

53.8357, 0.2616, 0.2927



Tritanomaly

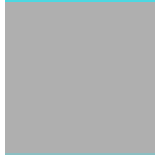
55.9337, 0.2304, 0.3088

Monochromacy



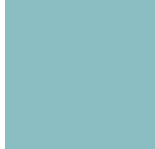
Original Color

56.1392, 0.2318, 0.3154



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.2109, 0.2715, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1392, 0.2318, 0.3154 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(76, 216, 226)` looks like.

```
.text, #text, p{  
    color:rgb(76, 216, 226)  
}
```

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(76, 216, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 216, 226) }
```

Border

The CSS property to change the border of an element to Yxy 56.1392, 0.2318, 0.3154 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(76, 216, 226) }
```

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

```
.border{ border-color:rgb(76, 216, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 216, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(76, 216,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1392, 0.2318, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 216, 226) }
```

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

```
.background{ background-color: rgb(76, 216,  
226) }
```

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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