

Converting Colors

$Y_{xy}(55.9907, 0.2298, 0.3156)$

Have a look what the booklet for
Yxy(55.9907, 0.2298, 0.3156)
contains.

Yxy(55.8317, 0.2296, 0.3153)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.8317, 0.2296, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	44D8E2
RGB	68, 216, 226
RGB Percent	27%, 85%, 89%
CMY	0.7341, 0.1529, 0.1137
CMYK	0.70, 0.04, 0.00, 0.11
HSL	184°, 73%, 58%
HSV	184°, 70%, 89%
XYZ	40.6564, 55.8317, 80.5868
YIQ	172.8880, -91.4180, -28.2660

Conversions

Conversions Part 2

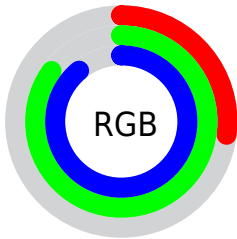
Format	Color
RYB	68, 144, 226
Decimal	4511970
CIELab	79.52, -34.98, -16.22
CIELCh	80, 38.562, 204.882
Yxy	55.8317, 0.2296, 0.3153
Android (android.graphics.Color)	4282702050 (0xFF44D8E2)
YUV	172.8880, 26.1842, -91.9868
Hunter-Lab	74.7206, -33.6371, -11.6403

Details

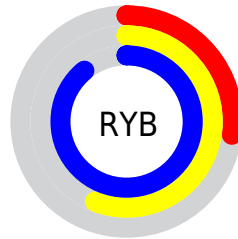
The Yxy color **55.8317, 0.2296, 0.3153** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.0019, 0.5406, 0.3388**, and the grayscale version is **41.6009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **28.4300, 0.2197, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **54.4467, 0.2244, 0.3131**, and if you desaturate by 10%, it is **57.5399, 0.2367, 0.3175**.

Distribution



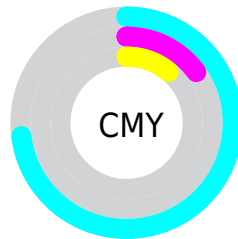
- Red (27%)
- Green (85%)
- Blue (89%)



- Red (27%)
- Yellow (56%)
- Blue (89%)



- Cyan (70%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)




- Cyan (73%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8317, 0.2296, 0.3153 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 55.8317, 0.2296, 0.3153 by changing the saturation by 10% instead.


 55.8317, 0.2296,
0.3153

 55.8317, 0.2296,
0.3153


409.0569, 0.2686,
0.3232


 40.0680, 0.2206,
0.3131


 98.7585, 0.2432,
0.3184

 27.5916, 0.2096,
0.3101


 126.6903, 0.2485,
0.3195

 18.0180, 0.1956,
0.3060


 159.4470, 0.2530,
0.3204

 10.9629, 0.1775,
0.3000

 197.4129, 0.2569,
0.3211

 6.0419, 0.1533,
0.2906

240.9725, 0.2604,
0.3218

 2.8706, 0.1199,
0.2747

290.5101, 0.2634,

 1.0645, 0.0353,

0.3223

0.2544

346.4101, 0.2662,
0.3228

0.0000, 0.0000,
0.0000

55.8317, 0.2296,
0.3153

55.8317, 0.2296,
0.3153

54.4467, 0.2244,
0.3131

57.5399, 0.2367,
0.3175

53.3402, 0.2210,
0.3110

59.5974, 0.2458,
0.3196


52.4478, 0.2192,
0.3089

62.0344, 0.2566,
0.3217


64.8762, 0.2690,
0.3237

68.1461, 0.2827,
0.3256

 71.8654, 0.2973,
0.3274

 76.0540, 0.3127,
0.3290

 80.7307, 0.3285,
0.3305

 82.7102, 0.3328,
0.3319

Harmonies

Analogous

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



55.8317, 0.2595, 0.3662



55.8317, 0.2296, 0.3153



55.8317, 0.2207, 0.2742

Triad

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



55.8317, 0.2296, 0.3153



55.8317, 0.3140, 0.2648



55.8317, 0.3953, 0.4056

Complementary

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



55.8317, 0.2296, 0.3153



22.0019, 0.5406, 0.3388

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.



55.8317, 0.4139, 0.3720



55.8317, 0.2296, 0.3153



55.8317, 0.3653, 0.2941

Square

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



55.8317, 0.2296, 0.3153



55.8317, 0.2663, 0.2495



55.8317, 0.4031, 0.3320



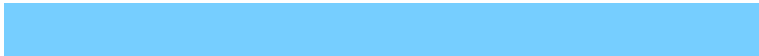
55.8317, 0.3548, 0.4212

Rectangle

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



55.8317, 0.2296, 0.3153



55.8317, 0.2269, 0.2571



55.8317, 0.4031, 0.3320



55.8317, 0.4044, 0.3958

Sweetspot

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



55.8338, 0.2296, 0.3153



89.0824, 0.2811, 0.3254



56.1339, 0.2997, 0.5451



18.8030, 0.2772, 0.3249



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.



55.8338, 0.2296, 0.3153



70.8828, 0.2226, 0.3122



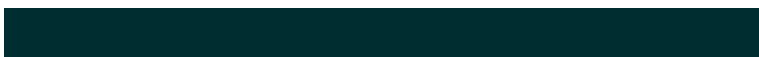
25.1749, 0.2011, 0.1998



15.4164, 0.2982, 0.3275



29.9869, 0.2192, 0.3093



2.1240, 0.2201, 0.3125

Inverse Universe

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



25.2377, 0.3308, 0.1822



29.2117, 0.3344, 0.1685



39.9637, 0.4647, 0.4212



13.9199, 0.3147, 0.3073



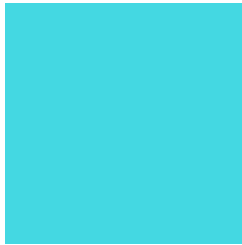
11.9352, 0.3373, 0.1632



0.8319, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 55.8317, 0.2296, 0.3153 looks on a white background.

Color Contrast Check

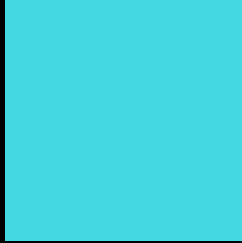
Large Text (above 18pt) WCAG AA × Fail

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 55.8317, 0.2296, 0.3153 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 55.8317, 0.2296, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 55.8317, 0.2296, 0.3153.



This preview shows how white text looks on a background with the Yxy color 55.8317, 0.2296, 0.3153.

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

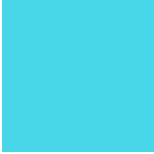
55.8317, 0.2296, 0.3153

Protanopia

54.8064, 0.2997, 0.3074

Deuteranopia

54.9581, 0.2881, 0.2816



Tritanopia

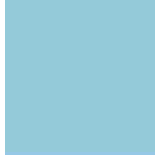
55.8048, 0.2279, 0.3062

Trichromacy



Original Color

55.8317, 0.2296, 0.3153



Protanomaly

53.5467, 0.2651, 0.3096



Deuteranomaly

53.5058, 0.2586, 0.2913



Tritanomaly

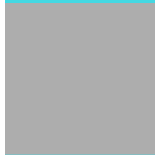
55.6161, 0.2282, 0.3087

Monochromacy



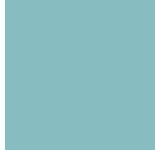
Original Color

55.8317, 0.2296, 0.3153



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.3519, 0.2699, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8317, 0.2296, 0.3153 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(68, 216, 226)` looks like.

```
.text, #text, p{  
    color:rgb(68, 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(68, 216, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 216, 226) }
```

Border

The CSS property to change the border of an element to Yxy 55.8317, 0.2296, 0.3153 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(68, 216, 226) }
```

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

```
.border{ border-color:rgb(68, 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(68, 216, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(68, 216,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8317, 0.2296, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 216, 226) }
```

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

```
.background{ background-color: rgb(68, 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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