

Converting Colors

$Y_{xy}(55.6261, 0.2505, 0.3113)$

Have a look what the booklet for
Yxy(55.6261, 0.2505, 0.3113)
contains.

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Color

Yxy(55.7809, 0.2507, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	7DD2DF
RGB	125, 210, 223
RGB Percent	49%, 82%, 87%
CMY	0.5094, 0.1765, 0.1254
CMYK	0.44, 0.06, 0.00, 0.13
HSL	188°, 60%, 68%
HSV	188°, 44%, 87%
XYZ	44.8358, 55.7809, 78.2256
YIQ	186.0670, -54.8330, -13.9770

Conversions

Conversions Part 2

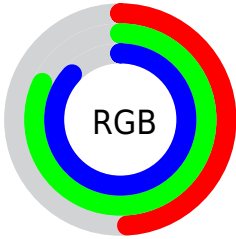
Format	Color
RYB	125, 171, 223
Decimal	8245983
CIELab	79.49, -22.37, -14.49
CIElCh	79, 26.651, 212.937
Yxy	55.7809, 0.2507, 0.3119
Android (android.graphics.Color)	4286436063 (0xFF7DD2DF)
YUV	186.0670, 18.2080, -53.5558
Hunter-Lab	74.6866, -23.5447, -9.8188

Details

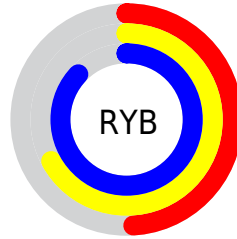
The Yxy color **55.7809, 0.2507, 0.3119** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.3891, 0.4214, 0.3448**, and the grayscale version is **49.0758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **27.4631, 0.2350, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **52.8354, 0.2397, 0.3074**, and if you desaturate by 10%, it is **59.1348, 0.2632, 0.3162**.

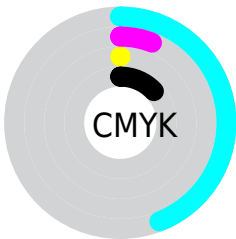
Distribution



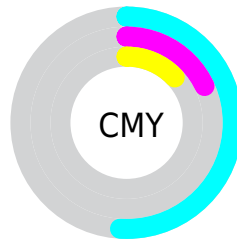
- Red (49%)
- Green (82%)
- Blue (87%)



- Red (49%)
- Yellow (67%)
- Blue (87%)



- Cyan (44%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)





- Cyan (51%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7809, 0.2507, 0.3119 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 55.7809, 0.2507, 0.3119 by changing the saturation by 10% instead.


 55.7809, 0.2507,
0.3119

 55.7809, 0.2507,
0.3119


408.8653, 0.2801,
0.3209

 40.0273, 0.2438,
0.3096


 98.6842, 0.2610,
0.3152

 27.5598, 0.2353,
0.3065


 126.6026, 0.2650,
0.3165

 17.9941, 0.2244,
0.3025


 159.3447, 0.2684,
0.3175

 10.9458, 0.2101,
0.2967

197.2950, 0.2714,
0.3184

 6.0304, 0.1904,
0.2881

240.8378, 0.2740,
0.3191

 2.8636, 0.1620,
0.2739

290.3575, 0.2762,

 1.0609, 0.1070,

0.3198

0.2508

346.2386, 0.2783,
0.3204

0.0000, 0.0000,
0.0000

55.7809, 0.2507,
0.3119

55.7809, 0.2507,
0.3119

52.8354, 0.2397,
0.3074

59.1348, 0.2632,
0.3162

50.2662, 0.2305,
0.3027

62.9138, 0.2769,
0.3204

48.0465, 0.2232,
0.2980

67.1417, 0.2915,
0.3242

46.1432, 0.2178,
0.2933

71.8382, 0.3067,
0.3277

44.5156, 0.2143,
0.2886

77.0222, 0.3222,
0.3309

■ 43.6187, 0.2127,
0.2858

■ 81.9611, 0.3350,
0.3338

■ 83.6060, 0.3346,
0.3368

■ 85.2791, 0.3342,
0.3397

■ 86.9805, 0.3338,
0.3426

Harmonies

Analogous

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



55.7809, 0.2688, 0.3456



55.7809, 0.2507, 0.3119



55.7809, 0.2483, 0.2857

Triad

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



55.7809, 0.2507, 0.3119



55.7809, 0.3239, 0.2880



55.7809, 0.3644, 0.3872

Complementary

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



55.7809, 0.2507, 0.3119



35.3891, 0.4214, 0.3448

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.



55.7809, 0.3813, 0.3677



55.7809, 0.2507, 0.3119



55.7809, 0.3574, 0.3116

Square

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



55.7809, 0.2507, 0.3119



55.7809, 0.2889, 0.2740



55.7809, 0.3789, 0.3401



55.7809, 0.3339, 0.3912

Rectangle

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



55.7809, 0.2507, 0.3119



55.7809, 0.2556, 0.2755



55.7809, 0.3789, 0.3401



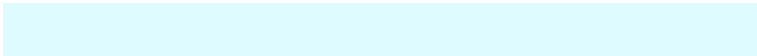
55.7809, 0.3719, 0.3821

Sweetspot

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



55.7831, 0.2507, 0.3119



91.4637, 0.2927, 0.3245



58.9441, 0.3002, 0.4497



19.2903, 0.2894, 0.3237



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.



55.7831, 0.2507, 0.3119



71.7800, 0.2403, 0.3076



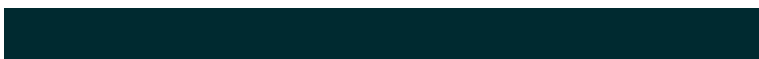
35.7622, 0.2394, 0.2458



15.2449, 0.2982, 0.3258



25.7638, 0.2129, 0.2865



1.8733, 0.2149, 0.2937

Inverse Universe

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



35.0367, 0.3304, 0.2342



40.7723, 0.3351, 0.2161



52.0741, 0.3955, 0.3992



13.9026, 0.3158, 0.3089



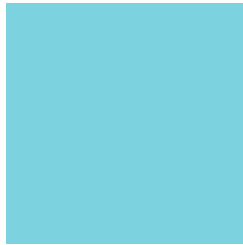
11.5089, 0.3575, 0.1743



0.8066, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 55.7809, 0.2507, 0.3119 looks on a white background.

Color Contrast Check

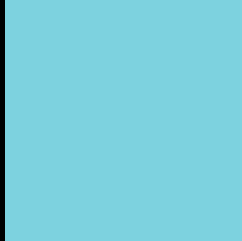
Large Text (above 18pt) WCAG AA × Fail

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 55.7809, 0.2507, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

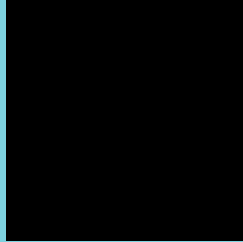
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7809, 0.2507, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 55.7809, 0.2507, 0.3119.



This preview shows how white text looks on a background with the Yxy color 55.7809, 0.2507, 0.3119.

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

55.7809, 0.2507, 0.3119

Protanopia

55.3036, 0.2990, 0.3075

Deuteranopia

55.0870, 0.2937, 0.2873



Tritanopia

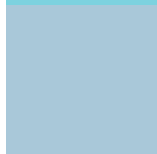
55.5275, 0.2494, 0.3069

Trichromacy



Original Color

55.7809, 0.2507, 0.3119



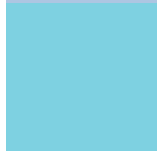
Protanomaly

54.7533, 0.2785, 0.3078



Deuteranomaly

54.7634, 0.2754, 0.2948



Tritanomaly

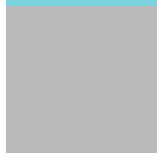
55.4728, 0.2499, 0.3081

Monochromacy



Original Color

55.7809, 0.2507, 0.3119



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.0462, 0.2862, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7809, 0.2507, 0.3119 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(125, 210, 223)` looks like.

```
.text, #text, p{  
    color:rgb(125, 210, 223)  
}
```

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(125, 210, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 210, 223) }
```

Border

The CSS property to change the border of an element to Yxy 55.7809, 0.2507, 0.3119 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(125, 210, 223) }
```

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

```
.border{ border-color:rgb(125, 210, 223) }
```

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

Here you see how a box with a 4 pixel rgb(125, 210, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 210, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 210, 223);  
box-shadow:4px 4px 4px 4px rgb(125, 210,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7809, 0.2507, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 210, 223) }
```

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

```
.background{ background-color: rgb(125,  
210, 223) }
```

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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