

Converting Colors

$Y_{xy}(56.5718, 0.2506, 0.3158)$

Have a look what the booklet for
Yxy(56.5718, 0.2506, 0.3158)
contains.

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Color

Yxy(56.5718, 0.2506, 0.3158)

Conversions

Conversions Part 1

Format	Color
Hex	7BD4DE
RGB	123, 212, 222
RGB Percent	48%, 83%, 87%
CMY	0.5179, 0.1686, 0.1293
CMYK	0.45, 0.05, 0.00, 0.13
HSL	186°, 60%, 68%
HSV	186°, 45%, 87%
XYZ	44.8920, 56.5718, 77.6743
YIQ	186.5290, -56.2540, -15.7580

Conversions

Conversions Part 2

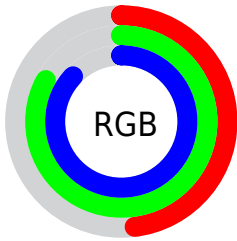
Format	Color
RYB	123, 170, 222
Decimal	8115422
CIELab	79.94, -24.14, -13.29
CIELCh	80, 27.559, 208.841
Yxy	56.5718, 0.2506, 0.3158
Android (android.graphics.Color)	4286305502 (0xFF7BD4DE)
YUV	186.5290, 17.4872, -55.7149
Hunter-Lab	75.2142, -25.0863, -8.5792

Details

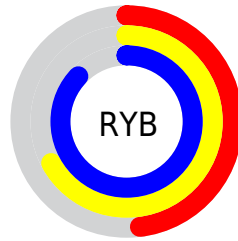
The Yxy color **56.5718, 0.2506, 0.3158** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.7231, 0.4259, 0.3413**, and the grayscale version is **49.3327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **27.9940, 0.2350, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **54.0052, 0.2401, 0.3124**, and if you desaturate by 10%, it is **59.5295, 0.2627, 0.3191**.

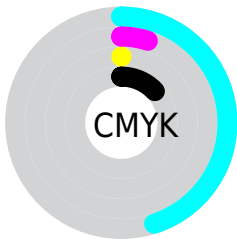
Distribution



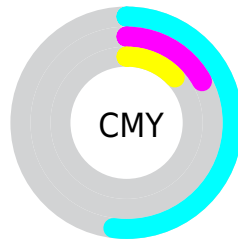
- Red (48%)
- Green (83%)
- Blue (87%)



- Red (48%)
- Yellow (67%)
- Blue (87%)



- Cyan (45%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)





- Cyan (52%)
- Magenta (17%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5718, 0.2506, 0.3158 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 56.5718, 0.2506, 0.3158 by changing the saturation by 10% instead.


 56.5718, 0.2506,
0.3158

 56.5718, 0.2506,
0.3158


411.8428, 0.2800,
0.3229

 40.6616, 0.2438,
0.3139


 99.8401, 0.2609,
0.3185

 28.0547, 0.2353,
0.3115


 127.9670, 0.2649,
0.3194

 18.3669, 0.2244,
0.3081


 160.9348, 0.2683,
0.3202

 11.2137, 0.2101,
0.3033

199.1281, 0.2713,
0.3209

 6.2108, 0.1905,
0.2961

242.9311, 0.2738,
0.3215

 2.9737, 0.1623,
0.2839

292.7283, 0.2761,

 1.1180, 0.1078,

0.3220

0.2642

348.9041, 0.2782,
0.3225

0.0000, 0.0000,
0.0000

56.5718, 0.2506,
0.3158

56.5718, 0.2506,
0.3158

54.0052, 0.2401,
0.3124

59.5295, 0.2627,
0.3191

51.7978, 0.2315,
0.3089

62.8949, 0.2760,
0.3222

49.9229, 0.2247,
0.3054


66.6914, 0.2904,
0.3251


48.3474, 0.2199,
0.3019

70.9388, 0.3056,
0.3278

47.0306, 0.2169,
0.2984


75.6555, 0.3211,
0.3303

 46.3939, 0.2157,
0.2966

 80.6395, 0.3360,
0.3325

 81.8637, 0.3357,
0.3347

 83.1038, 0.3354,
0.3370

 84.3601, 0.3351,
0.3392

Harmonies

Analogous

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



56.5718, 0.2711, 0.3508



56.5718, 0.2506, 0.3158



56.5718, 0.2459, 0.2874

Triad

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



56.5718, 0.2506, 0.3158



56.5718, 0.3191, 0.2843



56.5718, 0.3692, 0.3869

Complementary

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



56.5718, 0.2506, 0.3158



33.7231, 0.4259, 0.3413

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.



56.5718, 0.3842, 0.3652



56.5718, 0.2506, 0.3158



56.5718, 0.3545, 0.3074

Square

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



56.5718, 0.2506, 0.3158



56.5718, 0.2837, 0.2715



56.5718, 0.3789, 0.3363



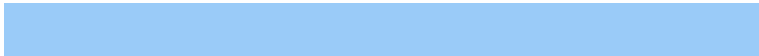
56.5718, 0.3393, 0.3937

Rectangle

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



56.5718, 0.2506, 0.3158



56.5718, 0.2519, 0.2756



56.5718, 0.3789, 0.3363



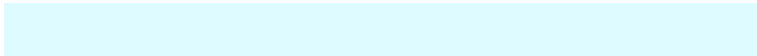
56.5718, 0.3763, 0.3809

Sweetspot

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



56.5740, 0.2506, 0.3158



92.1276, 0.2927, 0.3256



58.1495, 0.3009, 0.4543



19.4560, 0.2894, 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.



56.5740, 0.2506, 0.3158



73.9855, 0.2403, 0.3125



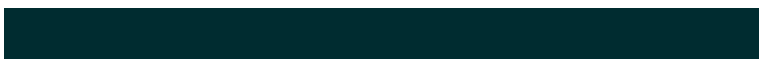
35.5246, 0.2386, 0.2466



15.3232, 0.2982, 0.3266



27.6457, 0.2159, 0.2971



1.9855, 0.2173, 0.3024

Inverse Universe

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



34.4382, 0.3275, 0.2298



40.4087, 0.3314, 0.2108



50.5769, 0.3980, 0.3985



13.9105, 0.3153, 0.3082



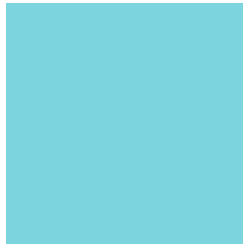
11.6989, 0.3480, 0.1691



0.8179, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 56.5718, 0.2506, 0.3158 looks on a white background.

Color Contrast Check

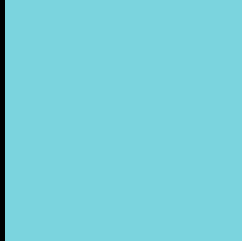
Large Text (above 18pt) WCAG AA × Fail

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 56.5718, 0.2506, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

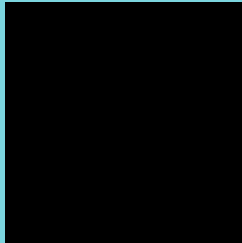
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.5718, 0.2506, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 56.5718, 0.2506, 0.3158.

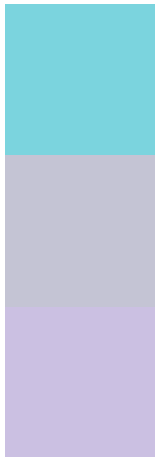


This preview shows how white text looks on a background with the Yxy color 56.5718, 0.2506, 0.3158.

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

56.5718, 0.2506, 0.3158

Protanopia

55.9691, 0.3012, 0.3099

Deuteranopia

55.8868, 0.2967, 0.2898



Tritanopia

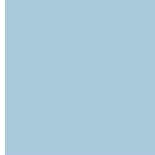
56.5499, 0.2484, 0.3070

Trichromacy



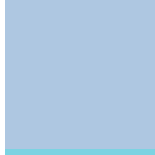
Original Color

56.5718, 0.2506, 0.3158



Protanomaly

55.6339, 0.2793, 0.3115



Deuteranomaly

55.2818, 0.2768, 0.2973



Tritanomaly

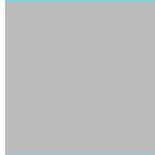
56.3646, 0.2489, 0.3095

Monochromacy



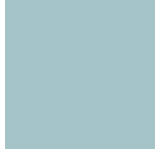
Original Color

56.5718, 0.2506, 0.3158



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.5425, 0.2856, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5718, 0.2506, 0.3158 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(123, 212, 222)` looks like.

```
.text, #text, p{  
    color:rgb(123, 212, 222)  
}
```

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(123, 212, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 212, 222) }
```

Border

The CSS property to change the border of an element to Yxy 56.5718, 0.2506, 0.3158 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(123, 212, 222) }
```

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

```
.border{ border-color:rgb(123, 212, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 212, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 212, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 212, 222);  
box-shadow:4px 4px 4px 4px rgb(123, 212,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5718, 0.2506, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 212, 222) }
```

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

```
.background{ background-color: rgb(123,  
212, 222) }
```

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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