

Converting Colors

$Yxy(56.6794, 0.2484, 0.3170)$

Have a look what the booklet for
Yxy(56.6794, 0.2484, 0.3170)
contains.

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Color

Yxy(56.7140, 0.2485, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	76D5DE
RGB	118, 213, 222
RGB Percent	46%, 84%, 87%
CMY	0.5373, 0.1647, 0.1295
CMYK	0.47, 0.04, 0.00, 0.13
HSL	185°, 61%, 67%
HSV	185°, 47%, 87%
XYZ	44.4447, 56.7140, 77.6934
YIQ	185.6210, -59.5090, -17.3410

Conversions

Conversions Part 2

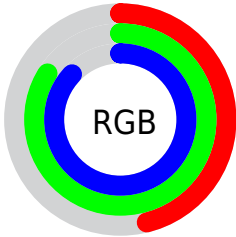
Format	Color
RYB	118, 168, 222
Decimal	7787998
CIELab	80.02, -25.78, -13.17
CIElCh	80, 28.953, 207.057
Yxy	56.7140, 0.2485, 0.3171
Android (android.graphics.Color)	4285978078 (0xFF76D5DE)
YUV	185.6210, 17.9348, -59.3036
Hunter-Lab	75.3087, -26.4453, -8.4513

Details

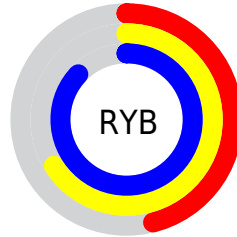
The Yxy color **56.7140, 0.2485, 0.3171** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.9971, 0.4353, 0.3400**, and the grayscale version is **48.8001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **28.1433, 0.2328, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **54.3840, 0.2386, 0.3142**, and if you desaturate by 10%, it is **59.4253, 0.2601, 0.3199**.

Distribution



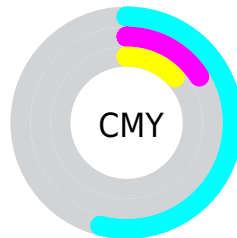
- Red (46%)
- Green (84%)
- Blue (87%)



- Red (46%)
- Yellow (66%)
- Blue (87%)



- Cyan (47%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)




- Cyan (54%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7140, 0.2485, 0.3171 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 56.7140, 0.2485, 0.3171 by changing the saturation by 10% instead.


 56.7140, 0.2485,
0.3171


 56.7140, 0.2485,
0.3171


412.3768, 0.2788,
0.3236


 40.7757, 0.2414,
0.3154


 100.0478, 0.2591,
0.3196

 28.1438, 0.2327,
0.3130


 128.2120, 0.2632,
0.3205

 18.4341, 0.2215,
0.3099


 161.2203, 0.2668,
0.3212

 11.2621, 0.2068,
0.3053

199.4570, 0.2698,
0.3218

 6.2434, 0.1867,
0.2983

243.3067, 0.2725,
0.3224

 2.9937, 0.1579,
0.2865

293.1536, 0.2749,

 1.1284, 0.1008,

0.3228

0.2679

349.3821, 0.2770,
0.3232

0.0020, 0.0000,
0.0022

0.0000, 0.0000,
0.0000

56.7140, 0.2485,
0.3171

56.7140, 0.2485,
0.3171

54.3840, 0.2386,
0.3142

59.4253, 0.2601,
0.3199

52.4027, 0.2305,
0.3112


62.5349, 0.2731,
0.3226

50.7428, 0.2244,
0.3082


66.0666, 0.2872,
0.3252


49.3697, 0.2202,
0.3053


70.0404, 0.3021,
0.3275


 48.2388, 0.2177,
0.3024


 74.4750, 0.3176,
0.3297

 47.9089, 0.2171,
0.3015

 79.3879, 0.3334,
0.3316

 81.1459, 0.3359,
0.3335

 82.1949, 0.3356,
0.3354

 83.2555, 0.3354,
0.3373

Harmonies

Analogous

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



56.7140, 0.2708, 0.3540



56.7140, 0.2485, 0.3171



56.7140, 0.2426, 0.2867

Triad

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



56.7140, 0.2485, 0.3171



56.7140, 0.3170, 0.2811



56.7140, 0.3734, 0.3887

Complementary

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



56.7140, 0.2485, 0.3171



31.9971, 0.4353, 0.3400

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.



56.7140, 0.3881, 0.3650



56.7140, 0.2485, 0.3171



56.7140, 0.3546, 0.3047

Square

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



56.7140, 0.2485, 0.3171



56.7140, 0.2803, 0.2685



56.7140, 0.3813, 0.3346



56.7140, 0.3426, 0.3972

Rectangle

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



56.7140, 0.2485, 0.3171



56.7140, 0.2482, 0.2738



56.7140, 0.3813, 0.3346



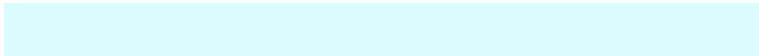
56.7140, 0.3805, 0.3821

Sweetspot

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



56.7162, 0.2485, 0.3171



91.8988, 0.2912, 0.3258



57.6025, 0.3013, 0.4642



19.4265, 0.2880, 0.3253



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.



56.7162, 0.2485, 0.3171



74.5936, 0.2390, 0.3143



34.7208, 0.2352, 0.2442



15.3596, 0.2982, 0.3269



28.5463, 0.2172, 0.3019



2.0389, 0.2184, 0.3064

Inverse Universe

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



33.2819, 0.3268, 0.2238



39.3449, 0.3302, 0.2056



48.9304, 0.4041, 0.4000



13.9142, 0.3151, 0.3079



11.7898, 0.3438, 0.1667



0.8233, 0.3398, 0.1646

Previews

White Background



This preview shows how the Yxy color 56.7140, 0.2485, 0.3171 looks on a white background.

Color Contrast Check

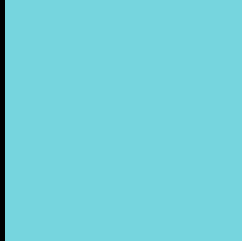
Large Text (above 18pt) WCAG AA × Fail

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 56.7140, 0.2485, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

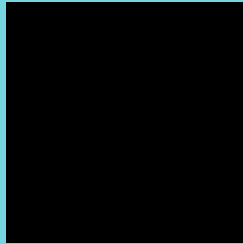
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7140, 0.2485, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 56.7140, 0.2485, 0.3171.



This preview shows how white text looks on a background with the Yxy color 56.7140, 0.2485, 0.3171.

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

56.7140, 0.2485, 0.3171

Protanopia

56.0533, 0.3027, 0.3111

Deuteranopia

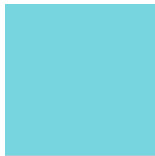
55.8868, 0.2967, 0.2898



Tritanopia

56.7372, 0.2458, 0.3069

Trichromacy



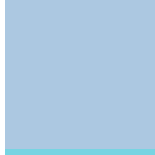
Original Color

56.7140, 0.2485, 0.3171



Protanomaly

55.4722, 0.2792, 0.3127



Deuteranomaly

55.5155, 0.2755, 0.2984



Tritanomaly

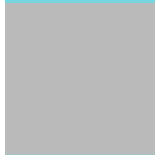
56.4999, 0.2468, 0.3107

Monochromacy



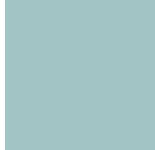
Original Color

56.7140, 0.2485, 0.3171



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.1804, 0.2841, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7140, 0.2485, 0.3171 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(118, 213, 222)` looks like.

```
.text, #text, p{  
    color:rgb(118, 213, 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(118, 213, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 213, 222) }
```

Border

The CSS property to change the border of an element to Yxy 56.7140, 0.2485, 0.3171 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(118, 213, 222) }
```

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

```
.border{ border-color:rgb(118, 213, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 213, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 213, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 213, 222);  
box-shadow:4px 4px 4px 4px rgb(118, 213,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7140, 0.2485, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 213, 222) }
```

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

```
.background{ background-color: rgb(118,  
213, 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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