

Converting Colors

$Y_{xy}(56.9053, 0.2444, 0.3276)$

Have a look what the booklet for
Yxy(56.9053, 0.2444, 0.3276)
contains.

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Color

Yxy(56.8882, 0.2443, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	65D8D9
RGB	101, 216, 217
RGB Percent	40%, 85%, 85%
CMY	0.6044, 0.1529, 0.1491
CMYK	0.54, 0.00, 0.00, 0.15
HSL	181°, 60%, 62%
HSV	181°, 54%, 85%
XYZ	42.4360, 56.8882, 74.3802
YIQ	181.7290, -68.8610, -24.0690

Conversions

Conversions Part 2

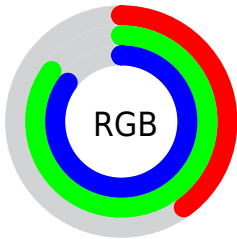
Format	Color
RYB	101, 159, 217
Decimal	6674649
CIELab	80.12, -32.14, -10.42
CIELCh	80, 33.792, 197.966
Yxy	56.8882, 0.2443, 0.3275
Android (android.graphics.Color)	4284864729 (0xFF65D8D9)
YUV	181.7290, 17.3886, -70.7993
Hunter-Lab	75.4243, -31.5629, -5.6723

Details

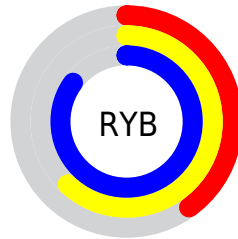
The Yxy color **56.8882, 0.2443, 0.3275** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.1623, 0.4689, 0.3306**, and the grayscale version is **46.5416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **28.3452, 0.2277, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **55.7077, 0.2366, 0.3272**, and if you desaturate by 10%, it is **58.4036, 0.2539, 0.3278**.

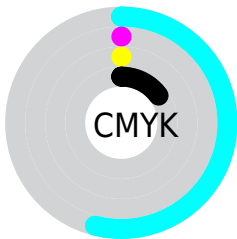
Distribution



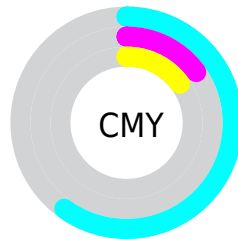
- Red (40%)
- Green (85%)
- Blue (85%)



- Red (40%)
- Yellow (62%)
- Blue (85%)



- Cyan (54%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)





- Cyan (60%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8882, 0.2443, 0.3275 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 56.8882, 0.2443, 0.3275 by changing the saturation by 10% instead.


 56.8882, 0.2443,
0.3275


 56.8882, 0.2443,
0.3275


413.0302, 0.2766,
0.3290

 40.9155, 0.2368,
0.3269


 100.3020, 0.2556,
0.3282

 28.2531, 0.2274,
0.3261


 128.5120, 0.2600,
0.3284

 18.5165, 0.2155,
0.3247


 161.5697, 0.2638,
0.3286

 11.3214, 0.1999,
0.3226

 199.8597, 0.2670,
0.3287

 6.2835, 0.1786,
0.3189

243.7664, 0.2699,
0.3288

 3.0182, 0.1481,
0.3118

293.6741, 0.2724,

 1.1412, 0.0748,

0.3289

0.3050

349.9673, 0.2746,
0.3290

0.0129, 0.0000,
0.0171

0.0000, 0.0000,
0.0000

56.8882, 0.2443,
0.3275

56.8882, 0.2443,
0.3275

55.7077, 0.2366,
0.3272

58.4036, 0.2539,
0.3278

54.8289, 0.2308,
0.3269

60.2712, 0.2653,
0.3281


54.2232, 0.2269,
0.3266

62.5146, 0.2781,
0.3284

53.8535, 0.2247,
0.3264


65.1538, 0.2922,
0.3287

 53.6993, 0.2239,
0.3262

 68.2071, 0.3073,
0.3289

 71.6918, 0.3230,
0.3292

 75.6243, 0.3390,
0.3294

 76.1365, 0.3407,
0.3296

 76.2302, 0.3406,
0.3298

Harmonies

Analogous

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



56.8882, 0.2747, 0.3709



56.8882, 0.2443, 0.3275



56.8882, 0.2317, 0.2886

Triad

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



56.8882, 0.2443, 0.3275



56.8882, 0.3038, 0.2679



56.8882, 0.3908, 0.3909

Complementary

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



56.8882, 0.2443, 0.3275



25.1623, 0.4689, 0.3306

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.



56.8882, 0.4010, 0.3597



56.8882, 0.2443, 0.3275



56.8882, 0.3488, 0.2915

Square

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



56.8882, 0.2443, 0.3275



56.8882, 0.2641, 0.2579



56.8882, 0.3855, 0.3241



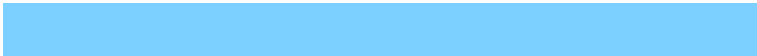
56.8882, 0.3593, 0.4080

Rectangle

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



56.8882, 0.2443, 0.3275



56.8882, 0.2343, 0.2705



56.8882, 0.3855, 0.3241



56.8882, 0.3969, 0.3815

Sweetspot

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



56.8904, 0.2443, 0.3275



92.8490, 0.2884, 0.3286



53.3171, 0.3047, 0.4998



19.7010, 0.2854, 0.3285



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.



56.8904, 0.2443, 0.3275



80.1383, 0.2359, 0.3272



32.5445, 0.2273, 0.2445



14.8099, 0.2982, 0.3288



32.5192, 0.2240, 0.3262



2.1129, 0.2241, 0.3267

Inverse Universe

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



28.9945, 0.3197, 0.2030



36.0122, 0.3208, 0.1837



40.4624, 0.4265, 0.3982



13.2729, 0.3139, 0.3062



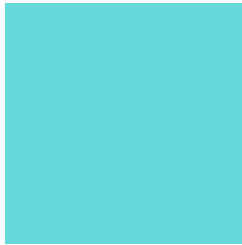
11.9066, 0.3230, 0.1553



0.7720, 0.3226, 0.1551

Previews

White Background



This preview shows how the Yxy color 56.8882, 0.2443, 0.3275 looks on a white background.

Color Contrast Check

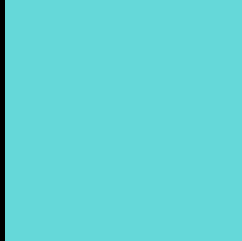
Large Text (above 18pt) WCAG AA × Fail

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 56.8882, 0.2443, 0.3275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

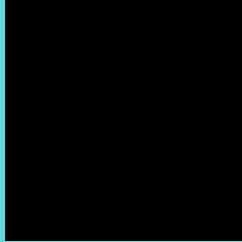
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8882, 0.2443, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 56.8882, 0.2443, 0.3275.

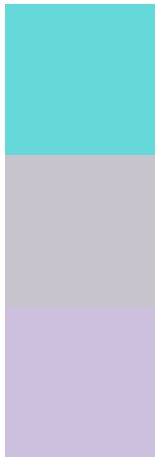


This preview shows how white text looks on a background with the Yxy color 56.8882, 0.2443, 0.3275.

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

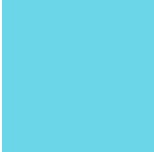
56.8882, 0.2443, 0.3275

Protanopia

56.0297, 0.3085, 0.3183

Deuteranopia

55.9523, 0.3010, 0.2944



Tritanopia

56.9268, 0.2393, 0.3067

Trichromacy



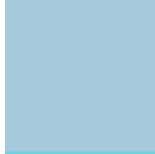
Original Color

56.8882, 0.2443, 0.3275



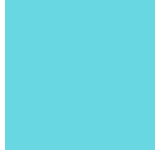
Protanomaly

55.1019, 0.2797, 0.3213



Deuteranomaly

55.1561, 0.2754, 0.3054



Tritanomaly

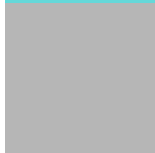
57.0349, 0.2411, 0.3144

Monochromacy



Original Color

56.8882, 0.2443, 0.3275



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.2960, 0.2809, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8882, 0.2443, 0.3275 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(101, 216, 217)` looks like.

```
.text, #text, p{  
    color:rgb(101, 216, 217)  
}
```

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(101, 216, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 216, 217) }
```

Border

The CSS property to change the border of an element to Yxy 56.8882, 0.2443, 0.3275 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(101, 216, 217) }
```

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

```
.border{ border-color:rgb(101, 216, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 216, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 216, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 216, 217); box-shadow:4px 4px 4px 4px rgb(101, 216, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8882, 0.2443, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 216, 217) }
```

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

```
.background{ background-color: rgb(101,  
216, 217) }
```

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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