

Converting Colors

$Y_{xy}(56.3431, 0.2606, 0.3287)$

Have a look what the booklet for
Yxy(56.3431, 0.2606, 0.3287)
contains.

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Color

Yxy(56.1972, 0.2608, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	84D3D3
RGB	132, 211, 211
RGB Percent	52%, 83%, 83%
CMY	0.4822, 0.1726, 0.1724
CMYK	0.37, 0.00, 0.00, 0.17
HSL	180°, 47%, 67%
HSV	180°, 37%, 83%
XYZ	44.5749, 56.1972, 70.1440
YIQ	187.3790, -47.0840, -16.7480

Conversions

Conversions Part 2

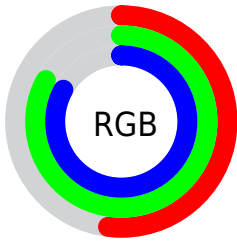
Format	Color
RYB	132, 172, 211
Decimal	8704979
CIELab	79.73, -24.14, -7.69
CIELCh	80, 25.339, 197.661
Yxy	56.1972, 0.2608, 0.3288
Android (android.graphics.Color)	4286895059 (0xFF84D3D3)
YUV	187.3790, 11.6452, -48.5674
Hunter-Lab	74.9648, -25.0503, -3.0018

Details

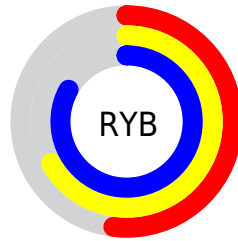
The Yxy color **56.1972, 0.2608, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.0430, 0.4039, 0.3293**, and the grayscale version is **49.8788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **27.7890, 0.2475, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **54.6616, 0.2502, 0.3288**, and if you desaturate by 10%, it is **58.0814, 0.2730, 0.3289**.

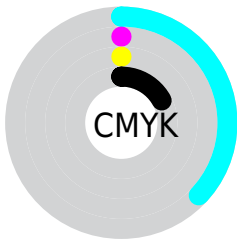
Distribution



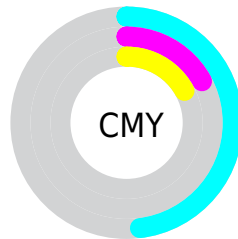
- Red (52%)
- Green (83%)
- Blue (83%)



- Red (52%)
- Yellow (67%)
- Blue (83%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)





- Cyan (48%)
- Magenta (17%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1972, 0.2608, 0.3288 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 56.1972, 0.2608, 0.3288 by changing the saturation by 10% instead.

 56.1972, 0.2608,
0.3288


 56.1972, 0.2608,
0.3288


410.4342, 0.2856,
0.3294


 40.3611, 0.2550,
0.3285

 99.2928, 0.2695,
0.3291

 27.8202, 0.2477,
0.3281


 127.3211, 0.2729,
0.3292

 18.1901, 0.2383,
0.3275


 160.1823, 0.2758,
0.3292

 11.0866, 0.2258,
0.3264

198.2606, 0.2783,
0.3293

 6.1251, 0.2084,
0.3245

241.9406, 0.2804,
0.3293

 2.9213, 0.1827,
0.3206

291.6066, 0.2823,

 1.0908, 0.1260,

0.3293

0.3168

347.6430, 0.2840,
0.3294

0.0000, 0.0000,
0.0000

56.1972, 0.2608,
0.3288

56.1972, 0.2608,
0.3288

54.6616, 0.2502,
0.3288

58.0814, 0.2730,
0.3289

53.4469, 0.2414,
0.3287

60.3267, 0.2866,
0.3289

52.5325, 0.2345,
0.3287


62.9529, 0.3013,
0.3290

51.8919, 0.2296,
0.3287

65.9766, 0.3167,
0.3290

51.4946, 0.2264,
0.3286


69.4135, 0.3327,
0.3291

 51.2985, 0.2249,
0.3286

 72.5778, 0.3460,
0.3291

 51.2623, 0.2246,
0.3286

 72.5823, 0.3460,
0.3291

 72.5869, 0.3460,
0.3291

 72.5914, 0.3460,
0.3291

Harmonies

Analogous

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



56.1972, 0.2845, 0.3604



56.1972, 0.2608, 0.3288



56.1972, 0.2507, 0.2994

Triad

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



56.1972, 0.2608, 0.3288



56.1972, 0.3060, 0.2818



56.1972, 0.3720, 0.3763

Complementary

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



56.1972, 0.2608, 0.3288



32.0430, 0.4039, 0.3293

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.



56.1972, 0.3790, 0.3531



56.1972, 0.2608, 0.3288



56.1972, 0.3398, 0.3002

Square

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



56.1972, 0.2608, 0.3288



56.1972, 0.2756, 0.2744



56.1972, 0.3671, 0.3256



56.1972, 0.3488, 0.3882

Rectangle

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



56.1972, 0.2608, 0.3288



56.1972, 0.2525, 0.2851



56.1972, 0.3671, 0.3256



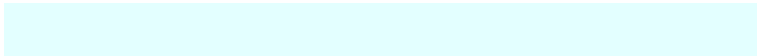
56.1972, 0.3764, 0.3695

Sweetspot

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



56.1994, 0.2608, 0.3288



95.0550, 0.2958, 0.3289



53.1788, 0.3074, 0.4419



20.2264, 0.2937, 0.3289



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.



56.1994, 0.2608, 0.3288



84.3056, 0.2521, 0.3288



38.9417, 0.2529, 0.2739



13.4062, 0.2983, 0.3289



30.9276, 0.2246, 0.3286



1.7296, 0.2246, 0.3286

Inverse Universe

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



35.0696, 0.3171, 0.2372



47.3061, 0.3179, 0.2189



44.8485, 0.3852, 0.3780



12.0090, 0.3138, 0.3061



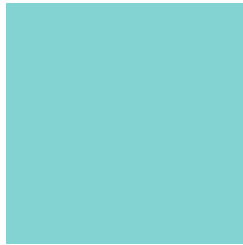
11.1934, 0.3210, 0.1542



0.6259, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 56.1972, 0.2608, 0.3288 looks on a white background.

Color Contrast Check

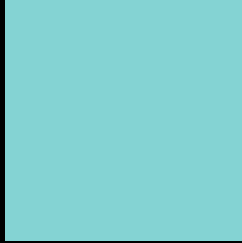
Large Text (above 18pt) WCAG AA × Fail

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 56.1972, 0.2608, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

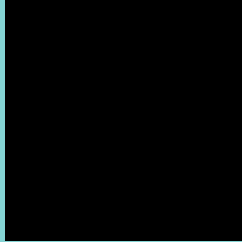
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

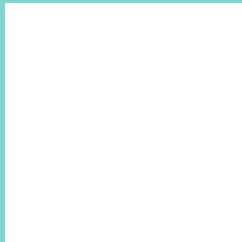
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.1972, 0.2608, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 56.1972, 0.2608, 0.3288.



This preview shows how white text looks on a background with the Yxy color 56.1972, 0.2608, 0.3288.

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

56.1972, 0.2608, 0.3288

Protanopia

55.8862, 0.3107, 0.3218

Deuteranopia

55.4333, 0.3077, 0.3012



Tritanopia

56.3262, 0.2546, 0.3072

Trichromacy



Original Color

56.1972, 0.2608, 0.3288

Protanomaly

55.2950, 0.2905, 0.3239

Deuteranomaly

54.9465, 0.2880, 0.3093

Tritanomaly

56.4645, 0.2569, 0.3147

Monochromacy



Original Color

56.1972, 0.2608, 0.3288

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.6809, 0.2905, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1972, 0.2608, 0.3288 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(132, 211, 211)` looks like.

```
.text, #text, p{  
    color:rgb(132, 211, 211)  
}
```

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(132, 211, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 211, 211) }
```

Border

The CSS property to change the border of an element to Yxy 56.1972, 0.2608, 0.3288 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(132, 211, 211) }
```

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

```
.border{ border-color:rgb(132, 211, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 211, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 211, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 211, 211);  
box-shadow:4px 4px 4px 4px rgb(132, 211,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1972, 0.2608, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 211, 211) }
```

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

```
.background{ background-color: rgb(132,  
211, 211) }
```

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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