

Converting Colors

$Y_{xy}(58.6956, 0.2556, 0.3381)$

Have a look what the booklet for
Yxy(58.6956, 0.2556, 0.3381)
contains.

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Color

Yxy(58.7679, 0.2556, 0.3381)

Conversions

Conversions Part 1

Format	Color
Hex	77DAD3
RGB	119, 218, 211
RGB Percent	47%, 85%, 83%
CMY	0.5336, 0.1450, 0.1726
CMYK	0.45, 0.00, 0.03, 0.15
HSL	176°, 57%, 66%
HSV	176°, 45%, 85%
XYZ	44.4279, 58.7679, 70.6223
YIQ	187.6010, -56.7570, -23.1650

Conversions

Conversions Part 2

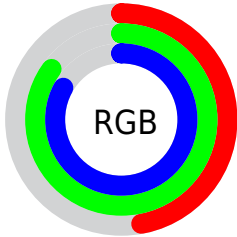
Format	Color
R _{YB}	119, 170, 218
Decimal	7854803
CIE Lab	81.16, -30.77, -5.60
CIE LCh	81, 31.276, 190.315
Yxy	58.7679, 0.2556, 0.3381
Android (android.graphics.Color)	4286044883 (0xFF77DAD3)
YUV	187.6010, 11.5357, -60.1631
Hunter-Lab	76.6602, -30.7069, -0.9580

Details

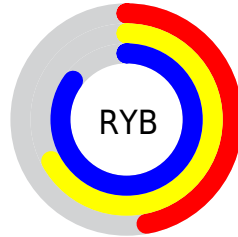
The Yxy color **58.7679, 0.2556, 0.3381** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.5889, 0.4258, 0.3208**, and the grayscale version is **49.9999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **29.5585, 0.2411, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **57.3246, 0.2469, 0.3404**, and if you desaturate by 10%, it is **60.5703, 0.2660, 0.3359**.

Distribution



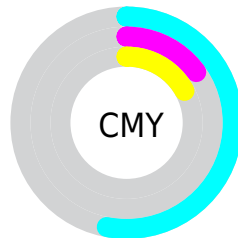
- Red (47%)
- Green (85%)
- Blue (83%)



- Red (47%)
- Yellow (67%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (3%)
- Black (15%)





- Cyan (53%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7679, 0.2556, 0.3381 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 58.7679, 0.2556, 0.3381 by changing the saturation by 10% instead.


 58.7679, 0.2556,
0.3381


 58.7679, 0.2556,
0.3381


420.0412, 0.2827,
0.3342

 42.4263, 0.2493,
0.3389


 103.0403, 0.2651,
0.3368

 29.4352, 0.2414,
0.3398


 131.7398, 0.2688,
0.3363

 19.4103, 0.2313,
0.3409


 165.3275, 0.2719,
0.3358

 11.9671, 0.2180,
0.3422

204.1876, 0.2746,
0.3354

 6.7213, 0.1996,
0.3436

248.7047, 0.2770,
0.3351

 3.2884, 0.1728,
0.3447

299.2631, 0.2791,

 1.2841, 0.1154,

0.3347

356.2471, 0.2810,
0.3345

0.3499

0.1288, 0.0000,
0.1950

0.0000, 0.0000,
0.0000

58.7679, 0.2556,
0.3381

58.7679, 0.2556,
0.3381

57.3246, 0.2469,
0.3404

60.5703, 0.2660,
0.3359

56.2088, 0.2401,
0.3428


62.7470, 0.2778,
0.3337


55.3954, 0.2353,
0.3452

65.3207, 0.2909,
0.3318

54.8519, 0.2323,
0.3476

68.3103, 0.3048,
0.3299

 54.5391, 0.2311,
0.3500

 71.7336, 0.3194,
0.3283

 54.4416, 0.2308,
0.3510

 75.6073, 0.3343,
0.3268

 76.6746, 0.3371,
0.3253

 76.7578, 0.3360,
0.3237

 76.8417, 0.3350,
0.3222

Harmonies

Analogous

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



58.7679, 0.2871, 0.3760



58.7679, 0.2556, 0.3381



58.7679, 0.2394, 0.3003

Triad

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



58.7679, 0.2556, 0.3381



58.7679, 0.2945, 0.2689



58.7679, 0.3888, 0.3797

Complementary

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



58.7679, 0.2556, 0.3381



29.5889, 0.4258, 0.3208

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.



58.7679, 0.3921, 0.3494



58.7679, 0.2556, 0.3381



58.7679, 0.3356, 0.2879

Square

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



58.7679, 0.2556, 0.3381



58.7679, 0.2606, 0.2635



58.7679, 0.3722, 0.3166



58.7679, 0.3644, 0.3992

Rectangle

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



58.7679, 0.2556, 0.3381



58.7679, 0.2386, 0.2811



58.7679, 0.3722, 0.3166



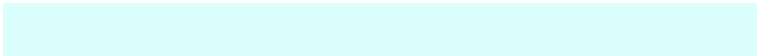
58.7679, 0.3925, 0.3703

Sweetspot

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



58.7702, 0.2556, 0.3381



93.6847, 0.2927, 0.3315



56.0071, 0.3112, 0.4688



19.8671, 0.2897, 0.3319



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.



58.7702, 0.2556, 0.3381



81.7439, 0.2469, 0.3404



40.3164, 0.2420, 0.2715



14.8128, 0.2992, 0.3306



32.6177, 0.2308, 0.3507



2.1180, 0.2297, 0.3468

Inverse Universe

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



29.5889, 0.4258, 0.3208



34.9374, 0.4668, 0.3196



41.4535, 0.4101, 0.3790



13.0664, 0.3281, 0.3274



8.9572, 0.6320, 0.3255



0.5857, 0.6090, 0.3128

Previews

White Background



This preview shows how the Yxy color 58.7679, 0.2556, 0.3381 looks on a white background.

Color Contrast Check

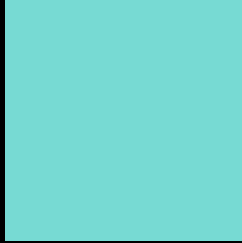
Large Text (above 18pt) WCAG AA × Fail

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 58.7679, 0.2556, 0.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

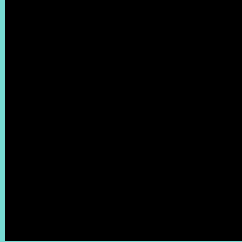
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

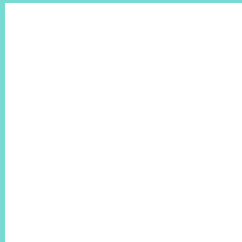
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.7679, 0.2556, 0.3381

Background



This preview shows how black text looks on a background with the Yxy color 58.7679, 0.2556, 0.3381.

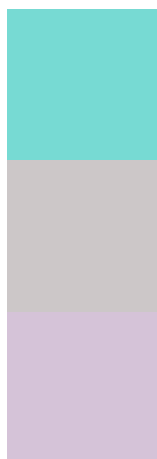


This preview shows how white text looks on a background with the Yxy color 58.7679, 0.2556, 0.3381.

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**

58.7679, 0.2556, 0.3381

Protanopia

57.8543, 0.3159, 0.3278

Deuteranopia

58.1342, 0.3115, 0.3051



Tritanopia

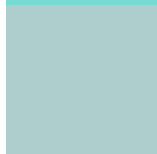
58.7870, 0.2474, 0.3073

Trichromacy



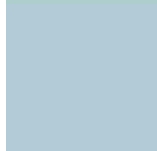
Original Color

58.7679, 0.2556, 0.3381



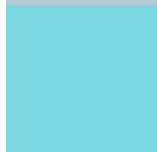
Protanomaly

57.3865, 0.2899, 0.3314



Deuteranomaly

57.1506, 0.2875, 0.3155



Tritanomaly

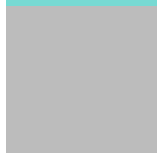
58.7045, 0.2506, 0.3185

Monochromacy



Original Color

58.7679, 0.2556, 0.3381



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.6189, 0.2878, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7679, 0.2556, 0.3381 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(119, 218, 211)` looks like.

```
.text, #text, p{  
    color:rgb(119, 218, 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(119, 218, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 218, 211) }
```

Border

The CSS property to change the border of an element to Yxy 58.7679, 0.2556, 0.3381 is called "border". The border property can be set on classes, ids or directly on the HTML element.

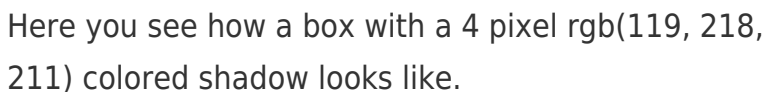
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 218, 211) }
```

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

```
.border{ border-color:rgb(119, 218, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 218, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 218, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 218, 211);  
box-shadow:4px 4px 4px 4px rgb(119, 218,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7679, 0.2556, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 218, 211) }
```

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

```
.background{ background-color: rgb(119,  
218, 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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