

Converting Colors

Yxy(56.3332, 0.2538, 0.3160)

Have a look what the booklet for
Yxy(56.3332, 0.2538, 0.3160)
contains.

Yxy(56.4761, 0.2539, 0.3159)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.4761, 0.2539, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	81D3DD
RGB	129, 211, 221
RGB Percent	51%, 83%, 87%
CMY	0.4943, 0.1725, 0.1334
CMYK	0.42, 0.05, 0.00, 0.13
HSL	187°, 58%, 69%
HSV	187°, 42%, 87%
XYZ	45.3918, 56.4761, 76.9105
YIQ	187.6220, -52.0820, -14.2740

Conversions

Conversions Part 2

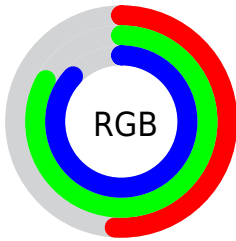
Format	Color
RYB	129, 172, 221
Decimal	8508381
CIELab	79.88, -22.47, -12.80
CIELCh	80, 25.858, 209.670
Yxy	56.4761, 0.2539, 0.3159
Android (android.graphics.Color)	4286698461 (0xFF81D3DD)
YUV	187.6220, 16.4554, -51.4115
Hunter-Lab	75.1506, -23.6974, -8.0731

Details

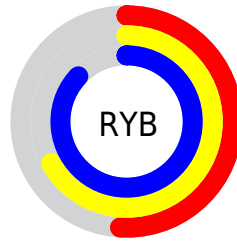
The Yxy color **56.4761, 0.2539, 0.3159** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.4004, 0.4146, 0.3413**, and the grayscale version is **49.9857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **27.9078, 0.2391, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **53.7496, 0.2429, 0.3123**, and if you desaturate by 10%, it is **59.5989, 0.2664, 0.3194**.

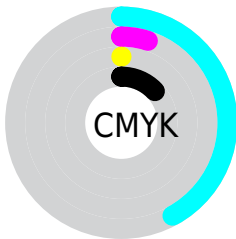
Distribution



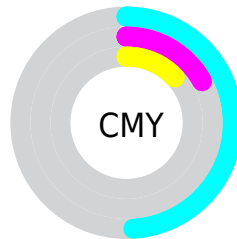
- Red (51%)
- Green (83%)
- Blue (87%)



- Red (51%)
- Yellow (67%)
- Blue (87%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)




- Cyan (49%)
- Magenta (17%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4761, 0.2539, 0.3159 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 56.4761, 0.2539, 0.3159 by changing the saturation by 10% instead.


 56.4761, 0.2539,
0.3159

 56.4761, 0.2539,
0.3159


411.4833, 0.2818,
0.3229

 40.5848, 0.2474,
0.3141


 99.7003, 0.2637,
0.3185

 27.9948, 0.2393,
0.3117


 127.8020, 0.2675,
0.3195

 18.3217, 0.2289,
0.3084


 160.7427, 0.2707,
0.3203

 11.1812, 0.2153,
0.3038

198.9066, 0.2735,
0.3209

 6.1889, 0.1965,
0.2968

242.6782, 0.2760,
0.3215

 2.9603, 0.1692,
0.2851

292.4419, 0.2781,

 1.1110, 0.1176,

0.3220

0.2658

348.5822, 0.2800,
0.3225

0.0000, 0.0000,
0.0000

56.4761, 0.2539,
0.3159

56.4761, 0.2539,
0.3159

53.7496, 0.2429,
0.3123

59.5989, 0.2664,
0.3194

51.3883, 0.2335,
0.3085

63.1338, 0.2802,
0.3227

49.3672, 0.2261,
0.3047

67.1033, 0.2949,
0.3257

47.6549, 0.2206,
0.3009

71.5267, 0.3102,
0.3286

46.2138, 0.2170,
0.2972

76.4219, 0.3258,
0.3311

■ 45.1658, 0.2150,
0.2941

■ 80.5430, 0.3367,
0.3335

■ 81.8509, 0.3364,
0.3359

■ 83.1771, 0.3360,
0.3382

■ 84.5216, 0.3357,
0.3406

Harmonies

Analogous

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



56.4761, 0.2729, 0.3486



56.4761, 0.2539, 0.3159



56.4761, 0.2498, 0.2894

Triad

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



56.4761, 0.2539, 0.3159



56.4761, 0.3197, 0.2873



56.4761, 0.3652, 0.3839

Complementary

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



56.4761, 0.2539, 0.3159



35.4004, 0.4146, 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.



56.4761, 0.3797, 0.3639



56.4761, 0.2539, 0.3159



56.4761, 0.3528, 0.3094

Square

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



56.4761, 0.2539, 0.3159



56.4761, 0.2863, 0.2749



56.4761, 0.3752, 0.3368



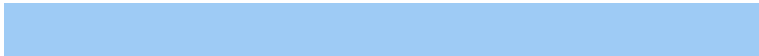
56.4761, 0.3369, 0.3895

Rectangle

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



56.4761, 0.2539, 0.3159



56.4761, 0.2558, 0.2784



56.4761, 0.3752, 0.3368



56.4761, 0.3719, 0.3784

Sweetspot

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



56.4783, 0.2539, 0.3159



92.5523, 0.2942, 0.3256



58.2127, 0.3016, 0.4445



19.6485, 0.2922, 0.3252



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.



56.4783, 0.2539, 0.3159



74.7837, 0.2441, 0.3127



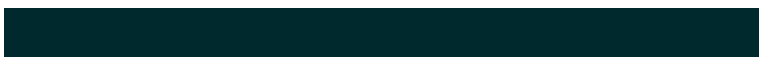
37.0715, 0.2437, 0.2532



14.5757, 0.2982, 0.3264



26.3410, 0.2152, 0.2947



1.7770, 0.2169, 0.3008

Inverse Universe

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



35.7624, 0.3270, 0.2367



42.9295, 0.3307, 0.2191



51.3094, 0.3913, 0.3940



13.2492, 0.3154, 0.3084



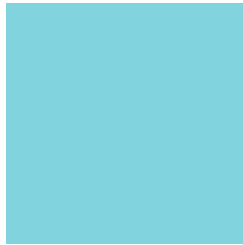
11.2829, 0.3501, 0.1702



0.7381, 0.3447, 0.1673

Previews

White Background



This preview shows how the Yxy color 56.4761, 0.2539, 0.3159 looks on a white background.

Color Contrast Check

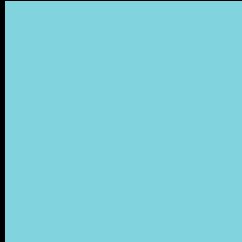
Large Text (above 18pt) WCAG AA × Fail

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 56.4761, 0.2539, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

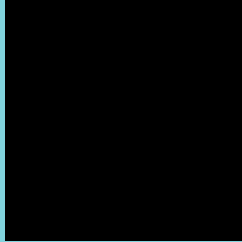
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4761, 0.2539, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 56.4761, 0.2539, 0.3159.

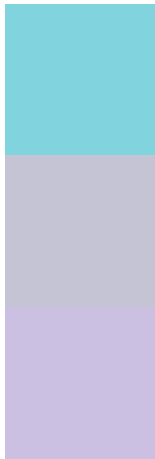


This preview shows how white text looks on a background with the Yxy color 56.4761, 0.2539, 0.3159.

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

56.4761, 0.2539, 0.3159

Protanopia

55.9691, 0.3012, 0.3099

Deuteranopia

55.8320, 0.2974, 0.2909



Tritanopia

56.4645, 0.2517, 0.3071

Trichromacy



Original Color

56.4761, 0.2539, 0.3159

Protanomaly

55.4502, 0.2819, 0.3116

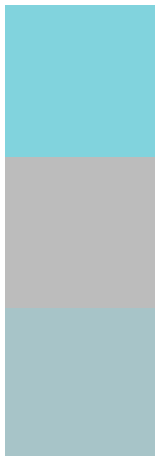
Deuteranomaly

55.4588, 0.2788, 0.2986

Tritanomaly

56.2753, 0.2522, 0.3095

Monochromacy



Original Color

56.4761, 0.2539, 0.3159

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.8655, 0.2878, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4761, 0.2539, 0.3159 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(129, 211, 221)` looks like.

```
.text, #text, p{  
    color:rgb(129, 211, 221)  
}
```

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(129, 211, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 211, 221) }
```

Border

The CSS property to change the border of an element to Yxy 56.4761, 0.2539, 0.3159 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(129, 211, 221) }
```

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

```
.border{ border-color:rgb(129, 211, 221) }
```

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

Here you see how a box with a 4 pixel rgb(129, 211, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 211, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 211, 221);  
box-shadow:4px 4px 4px 4px rgb(129, 211,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4761, 0.2539, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 211, 221) }
```

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

```
.background{ background-color: rgb(129,  
211, 221) }
```

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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