

Converting Colors

$Y_{xy}(54.3407, 0.2267, 0.3287)$

Have a look what the booklet for
Yxy(54.3407, 0.2267, 0.3287)
contains.

Yxy(54.3456, 0.2268, 0.3287)	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(54.3456, 0.2268, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	1ED8D8
RGB	30, 216, 216
RGB Percent	12%, 85%, 85%
CMY	0.8804, 0.1530, 0.1529
CMYK	0.86, 0.00, 0.00, 0.15
HSL	180°, 75%, 48%
HSV	180°, 86%, 85%
XYZ	37.4980, 54.3456, 73.4914
YIQ	160.3860, -110.8560, -39.4320

Conversions

Conversions Part 2

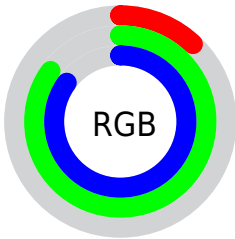
Format	Color
RYB	30, 123, 216
Decimal	2021592
CIELab	78.66, -41.32, -12.23
CIELCh	79, 43.087, 196.484
Yxy	54.3456, 0.2268, 0.3287
Android (android.graphics.Color)	4280211672 (0xFF1ED8D8)
YUV	160.3860, 27.4177, -114.3485
Hunter-Lab	73.7195, -38.2137, -7.5029

Details

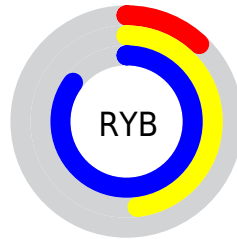
The Yxy color **54.3456, 0.2268, 0.3287** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **15.6532, 0.6121, 0.3299**, and the grayscale version is **35.3188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **27.7148, 0.2241, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **54.1196, 0.2251, 0.3287**, and if you desaturate by 10%, it is **54.7986, 0.2302, 0.3287**.

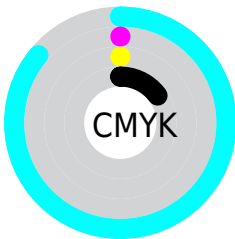
Distribution



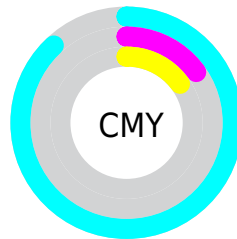
- Red (12%)
- Green (85%)
- Blue (85%)



- Red (12%)
- Yellow (48%)
- Blue (85%)



- Cyan (86%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (88%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.3456, 0.2268, 0.3287 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 54.3456, 0.2268, 0.3287 by changing the saturation by 10% instead.


 54.3456, 0.2268,
0.3287


 54.3456, 0.2268,
0.3287


403.4265, 0.2674,
0.3301

 38.8780, 0.2174,
0.3280


 96.5815, 0.2410,
0.3295

 26.6649, 0.2058,
0.3269


 124.1186, 0.2465,
0.3297

 17.3217, 0.1910,
0.3252


 156.4477, 0.2512,
0.3299

 10.4641, 0.1718,
0.3223

 193.9532, 0.2553,
0.3300

 5.7077, 0.1460,
0.3170

 237.0194, 0.2589,
0.3300

 2.6682, 0.1103,
0.3065

286.0307, 0.2621,

 0.9611, 0.0000,

0.3301

0.3009

341.3717, 0.2649,
0.3301

■ 0.0000, 0.0000,
0.0000

■ 54.3456, 0.2268,
0.3287

■ 54.3456, 0.2268,
0.3287

■ 54.1196, 0.2251,
0.3287

■ 54.7986, 0.2302,
0.3287

■ 54.0615, 0.2246,
0.3287

■ 55.5117, 0.2354,
0.3287

■ 56.5186, 0.2426,
0.3288

■ 57.8465, 0.2517,
0.3288

■ 59.5195, 0.2625,
0.3288

■ 61.5595, 0.2750,
0.3289

■ 63.9863, 0.2888,
0.3289

■ 66.8186, 0.3036,
0.3290

■ 70.0737, 0.3192,
0.3290

Harmonies

Analogous

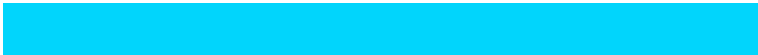
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.3456, 0.2655, 0.3867



54.3456, 0.2268, 0.3287



54.3456, 0.2106, 0.2778

Triad

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



54.3456, 0.2268, 0.3287



54.3456, 0.2978, 0.2511



54.3456, 0.4140, 0.4049

Complementary

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



54.3456, 0.2268, 0.3287



15.6532, 0.6121, 0.3299

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.



54.3456, 0.4268, 0.3638



54.3456, 0.2268, 0.3287



54.3456, 0.3562, 0.2795

Square

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



54.3456, 0.2268, 0.3287



54.3456, 0.2484, 0.2392



54.3456, 0.4054, 0.3193



54.3456, 0.3738, 0.4308

Rectangle

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



54.3456, 0.2268, 0.3287



54.3456, 0.2130, 0.2550



54.3456, 0.4054, 0.3193



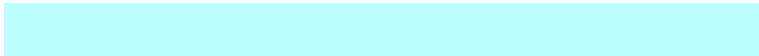
54.3456, 0.4219, 0.3922

Sweetspot

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



54.3476, 0.2268, 0.3287



89.5132, 0.2745, 0.3289



49.5014, 0.3006, 0.5870



18.9253, 0.2700, 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.



54.3476, 0.2268, 0.3287



78.7119, 0.2246, 0.3287



19.4711, 0.1871, 0.1816



14.1075, 0.2983, 0.3290



31.9926, 0.2246, 0.3287



1.9298, 0.2246, 0.3287

Inverse Universe

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



20.5125, 0.3207, 0.1597



28.4772, 0.3210, 0.1542



28.9270, 0.5129, 0.4158



12.6327, 0.3138, 0.3060



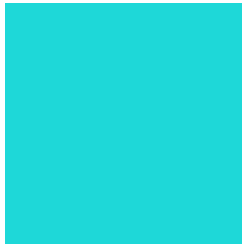
11.5745, 0.3210, 0.1542



0.6981, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 54.3456, 0.2268, 0.3287 looks on a white background.

Color Contrast Check

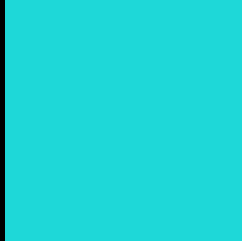
Large Text (above 18pt) WCAG AA × Fail

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 54.3456, 0.2268, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

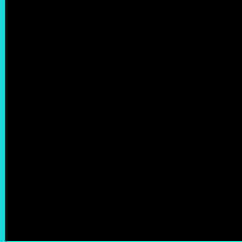
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

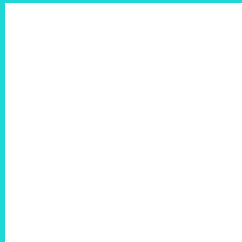
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.3456, 0.2268, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 54.3456, 0.2268, 0.3287.

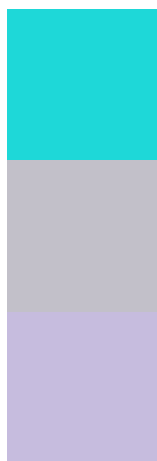


This preview shows how white text looks on a background with the Yxy color 54.3456, 0.2268, 0.3287.

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

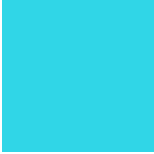
54.3456, 0.2268, 0.3287

Protanopia

53.3857, 0.3076, 0.3180

Deuteranopia

53.2461, 0.2956, 0.2890



Tritanopia

54.4910, 0.2227, 0.3058

Trichromacy



Original Color

54.3456, 0.2268, 0.3287



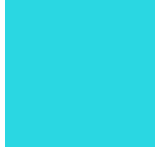
Protanomaly

51.3804, 0.2635, 0.3221



Deuteranomaly

50.8738, 0.2562, 0.3001



Tritanomaly

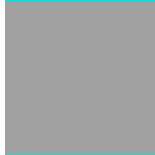
54.5841, 0.2240, 0.3137

Monochromacy



Original Color

54.3456, 0.2268, 0.3287



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

39.9614, 0.2617, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3456, 0.2268, 0.3287 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(30, 216, 216)` looks like.

```
.text, #text, p{  
    color:rgb(30, 216, 216)  
}
```

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(30, 216, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 216, 216) }
```

Border

The CSS property to change the border of an element to Yxy 54.3456, 0.2268, 0.3287 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(30, 216, 216) }
```

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

```
.border{ border-color:rgb(30, 216, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 216, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 216, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 216, 216);  
box-shadow:4px 4px 4px 4px rgb(30, 216,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3456, 0.2268, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 216, 216) }
```

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

```
.background{ background-color: rgb(30, 216,  
216) }
```

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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