

Converting Colors

$Y_{xy}(56.1971, 0.2188, 0.2998)$

Have a look what the booklet for
Yxy(56.1971, 0.2188, 0.2998)
contains.

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Color

Yxy(56.1810, 0.2187, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	21D9EF
RGB	33, 217, 239
RGB Percent	13%, 85%, 94%
CMY	0.8717, 0.1490, 0.0628
CMYK	0.86, 0.09, 0.00, 0.06
HSL	186°, 87%, 53%
HSV	186°, 86%, 94%
XYZ	41.0106, 56.1810, 90.3284
YIQ	164.4920, -116.7260, -32.1660

Conversions

Conversions Part 2

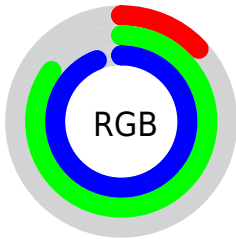
Format	Color
R _{YB}	33, 130, 239
Decimal	2218479
CIE _{Lab}	79.72, -34.75, -22.90
CIE _{LCh}	80, 41.613, 213.382
Y _{xy}	56.1810, 0.2187, 0.2996
Android (android.graphics.Color)	4280408559 (0xFF21D9EF)
YUV	164.4920, 36.7324, -115.3185
Hunter-Lab	74.9540, -33.5043, -18.9837

Details

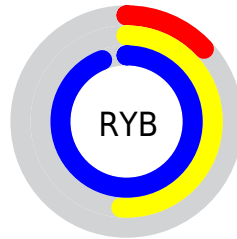
The Yxy color **56.1810, 0.2187, 0.2996** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **21.1593, 0.6010, 0.3418**, and the grayscale version is **37.1965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **29.2596, 0.2146, 0.2925** is the 20% darker color. If you saturate the color by 10%, you get **54.6190, 0.2159, 0.2959**, and if you desaturate by 10%, it is **58.0455, 0.2232, 0.3033**.

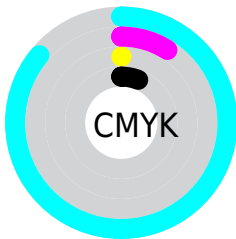
Distribution



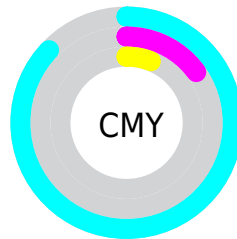
- Red (13%)
- Green (85%)
- Blue (94%)



- Red (13%)
- Yellow (51%)
- Blue (94%)



- Cyan (86%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)





- Cyan (87%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1810, 0.2187, 0.2996 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 56.1810, 0.2187, 0.2996 by changing the saturation by 10% instead.


 56.1810, 0.2187,
0.2996

 56.1810, 0.2187,
0.2996


410.3733, 0.2623,
0.3153


 40.3481, 0.2088,
0.2955


 99.2692, 0.2338,
0.3055


 27.8100, 0.1968,
0.2902


 127.2932, 0.2397,
0.3076

 18.1825, 0.1817,
0.2830


 160.1497, 0.2447,
0.3094

 11.0811, 0.1624,
0.2730

 198.2231, 0.2492,
0.3110

 6.1214, 0.1372,
0.2583

 241.8977, 0.2531,
0.3123

 2.9190, 0.1038,
0.2352

291.5580, 0.2565,

 1.0896, 0.0322,

0.3134

0.2018

347.5884, 0.2596,
0.3144

0.0000, 0.0000,
0.0000

56.1810, 0.2187,
0.2996

56.1810, 0.2187,
0.2996

54.6190, 0.2159,
0.2959

58.0455, 0.2232,
0.3033

54.0859, 0.2152,
0.2946

60.2577, 0.2297,
0.3071

62.8609, 0.2381,
0.3108

65.8903, 0.2484,
0.3144

69.3770, 0.2603,
0.3179

73.3492, 0.2735,
0.3213

77.8326, 0.2878,
0.3244

82.8511, 0.3029,
0.3273

88.4272, 0.3185,
0.3299

Harmonies

Analogous

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



56.1810, 0.2443, 0.3534



56.1810, 0.2187, 0.2996



56.1810, 0.2160, 0.2610

Triad

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



56.1810, 0.2187, 0.2996



56.1810, 0.3299, 0.2679



56.1810, 0.3907, 0.4184

Complementary

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



56.1810, 0.2187, 0.2996



21.1593, 0.6010, 0.3418

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.



56.1810, 0.4188, 0.3859



56.1810, 0.2187, 0.2996



56.1810, 0.3831, 0.3023

Square

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



56.1810, 0.2187, 0.2996



56.1810, 0.2760, 0.2470



56.1810, 0.4167, 0.3440



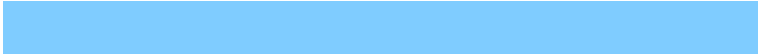
56.1810, 0.3427, 0.4280

Rectangle

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



56.1810, 0.2187, 0.2996



56.1810, 0.2268, 0.2471



56.1810, 0.4167, 0.3440



56.1810, 0.4029, 0.4094

Sweetspot

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



56.1830, 0.2187, 0.2996



85.0977, 0.2738, 0.3213



62.3013, 0.2970, 0.5759



17.8570, 0.2691, 0.3202



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.



56.1830, 0.2187, 0.2996



62.6196, 0.2151, 0.2945



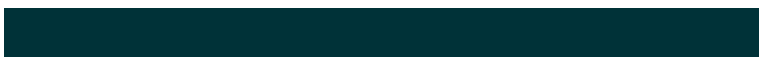
18.8637, 0.1784, 0.1505



17.6245, 0.2981, 0.3264



30.0113, 0.2153, 0.2952



2.5784, 0.2167, 0.3000

Inverse Universe

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



24.4307, 0.3453, 0.1734



26.8526, 0.3503, 0.1704



42.3942, 0.4915, 0.4357



16.0007, 0.3154, 0.3082



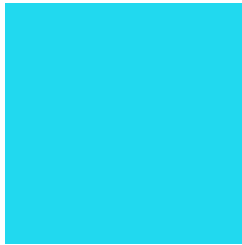
12.8230, 0.3497, 0.1700



1.0750, 0.3454, 0.1676

Previews

White Background



This preview shows how the Yxy color 56.1810, 0.2187, 0.2996 looks on a white background.

Color Contrast Check

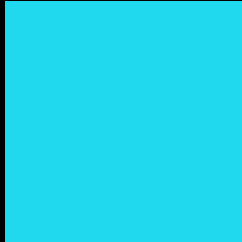
Large Text (above 18pt) WCAG AA × Fail

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 56.1810, 0.2187, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

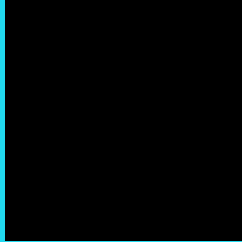
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.1810, 0.2187, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 56.1810, 0.2187, 0.2996.



This preview shows how white text looks on a background with the Yxy color 56.1810, 0.2187, 0.2996.

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

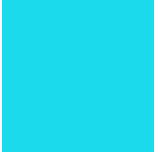
56.1810, 0.2187, 0.2996

Protanopia

55.0418, 0.2891, 0.2935

Deuteranopia

55.2390, 0.2748, 0.2683



Tritanopia

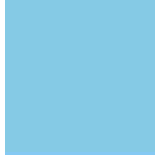
56.3606, 0.2198, 0.3060

Trichromacy



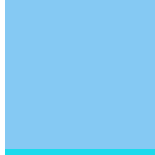
Original Color

56.1810, 0.2187, 0.2996



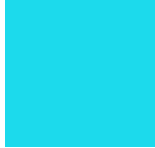
Protanomaly

52.8847, 0.2499, 0.2941



Deuteranomaly

53.2309, 0.2427, 0.2764



Tritanomaly

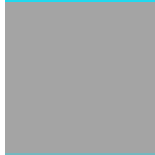
56.4458, 0.2197, 0.3047

Monochromacy



Original Color

56.1810, 0.2187, 0.2996



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

41.3416, 0.2572, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1810, 0.2187, 0.2996 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(33, 217, 239)` looks like.

```
.text, #text, p{  
    color:rgb(33, 217, 239)  
}
```

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(33, 217, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 217, 239) }
```

Border

The CSS property to change the border of an element to Yxy 56.1810, 0.2187, 0.2996 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(33, 217, 239) }
```

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

```
.border{ border-color:rgb(33, 217, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 217, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 217, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 217, 239);  
box-shadow:4px 4px 4px 4px rgb(33, 217,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1810, 0.2187, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 217, 239) }
```

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

```
.background{ background-color: rgb(33, 217,  
239) }
```

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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