

Converting Colors

$Yxy(61.4395, 0.2393, 0.3239)$

Have a look what the booklet for
Yxy(61.4395, 0.2393, 0.3239)
contains.

Yxy(61.3456, 0.2394, 0.3236)	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(61.3456, 0.2394, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	5FE0E4
RGB	95, 224, 228
RGB Percent	37%, 88%, 89%
CMY	0.6271, 0.1216, 0.1059
CMYK	0.58, 0.02, 0.00, 0.11
HSL	182°, 71%, 63%
HSV	182°, 58%, 89%
XYZ	45.3836, 61.3456, 82.8431
YIQ	185.8850, -78.1680, -26.1040

Conversions

Conversions Part 2

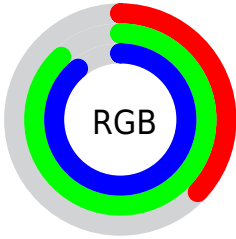
Format	Color
RYB	95, 160, 228
Decimal	6283492
CIELab	82.56, -34.04, -12.65
CIELCh	83, 36.316, 200.378
Yxy	61.3456, 0.2394, 0.3236
Android (android.graphics.Color)	4284473572 (0xFF5FE0E4)
YUV	185.8850, 20.7627, -79.7061
Hunter-Lab	78.3234, -33.6362, -7.8849

Details

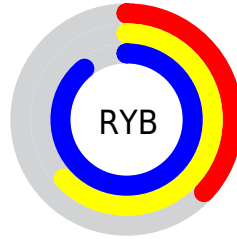
The Yxy color **61.3456, 0.2394, 0.3236** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.2598, 0.4898, 0.3338**, and the grayscale version is **48.9620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **31.0224, 0.2222, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **59.9313, 0.2323, 0.3226**, and if you desaturate by 10%, it is **63.1233, 0.2484, 0.3246**.

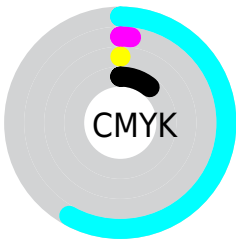
Distribution



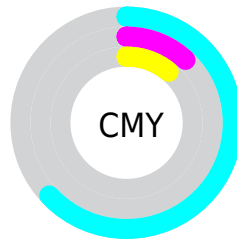
- Red (37%)
- Green (88%)
- Blue (89%)



- Red (37%)
- Yellow (63%)
- Blue (89%)



- Cyan (58%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)




- Cyan (63%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3456, 0.2394, 0.3236 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 61.3456, 0.2394, 0.3236 by changing the saturation by 10% instead.

 61.3456, 0.2394,
0.3236


 61.3456, 0.2394,
0.3236


429.5400, 0.2735,
0.3271


 44.5041, 0.2316,
0.3225

 106.7792, 0.2512,
0.3250

 31.0670, 0.2221,
0.3210


 136.1401, 0.2558,
0.3255

 20.6499, 0.2100,
0.3189


 170.4429, 0.2598,
0.3259

 12.8683, 0.1943,
0.3158

 210.0721, 0.2632,
0.3263

 7.3379, 0.1734,
0.3107

255.4120, 0.2663,
0.3265

 3.6743, 0.1442,
0.3018

306.8470, 0.2689,

 1.4931, 0.0942,

0.3268

0.2865

364.7616, 0.2713,
0.3270

■ 0.2839, 0.0000,
0.1898

■ 0.0000, 0.0000,
0.0000

■ 61.3456, 0.2394,
0.3236

■ 61.3456, 0.2394,
0.3236

■ 59.9313, 0.2323,
0.3226

■ 63.1233, 0.2484,
0.3246

■ 58.8413, 0.2272,
0.3216


■ 65.2858, 0.2591,
0.3256

■ 58.0400, 0.2240,
0.3206

■ 67.8607, 0.2715,
0.3266

■ 57.4729, 0.2223,
0.3196


■ 70.8715, 0.2852,
0.3275

 57.3860, 0.2221,
0.3194

 74.3396, 0.2999,
0.3283

 78.2851, 0.3154,
0.3291

 82.7270, 0.3313,
0.3299

 83.1679, 0.3314,
0.3305

 83.5493, 0.3314,
0.3312

Harmonies

Analogous

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



61.3456, 0.2697, 0.3695



61.3456, 0.2394, 0.3236



61.3456, 0.2280, 0.2838

Triad

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



61.3456, 0.2394, 0.3236



61.3456, 0.3070, 0.2668



61.3456, 0.3924, 0.3957

Complementary

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



61.3456, 0.2394, 0.3236



26.2598, 0.4898, 0.3338

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.



61.3456, 0.4054, 0.3637



61.3456, 0.2394, 0.3236



61.3456, 0.3541, 0.2923

Square

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



61.3456, 0.2394, 0.3236



61.3456, 0.2647, 0.2550



61.3456, 0.3913, 0.3267



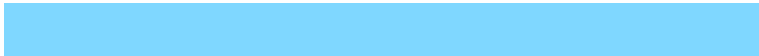
61.3456, 0.3580, 0.4124

Rectangle

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



61.3456, 0.2394, 0.3236



61.3456, 0.2317, 0.2661



61.3456, 0.3913, 0.3267



61.3456, 0.3996, 0.3862

Sweetspot

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



61.3479, 0.2394, 0.3236



91.8558, 0.2869, 0.3276



58.7900, 0.3030, 0.5142



19.4800, 0.2840, 0.3274



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.



61.3479, 0.2394, 0.3236



76.9186, 0.2311, 0.3224



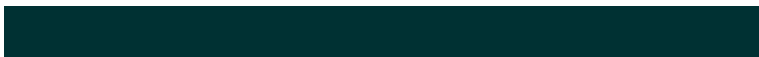
32.9460, 0.2192, 0.2316



16.2581, 0.2982, 0.3282



33.1715, 0.2221, 0.3196



2.4748, 0.2225, 0.3210

Inverse Universe

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



30.0740, 0.3231, 0.1961



33.3770, 0.3251, 0.1777



43.7837, 0.4384, 0.4058



14.6074, 0.3143, 0.3065



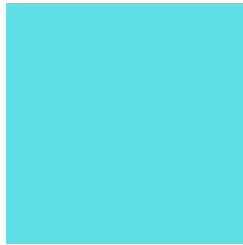
12.5464, 0.3286, 0.1584



0.9295, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 61.3456, 0.2394, 0.3236 looks on a white background.

Color Contrast Check

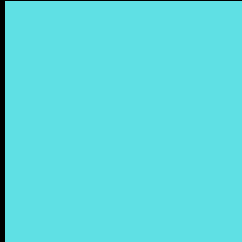
Large Text (above 18pt) WCAG AA × Fail

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 61.3456, 0.2394, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

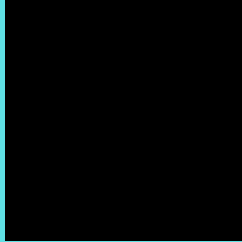
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.3456, 0.2394, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 61.3456, 0.2394, 0.3236.

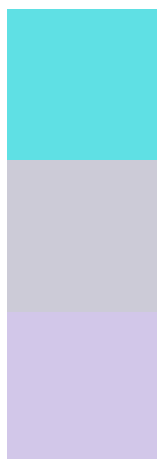


This preview shows how white text looks on a background with the Yxy color 61.3456, 0.2394, 0.3236.

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

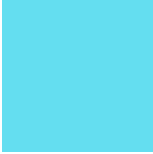
61.3456, 0.2394, 0.3236

Protanopia

60.4555, 0.3050, 0.3151

Deuteranopia

60.4317, 0.2972, 0.2910



Tritanopia

61.2431, 0.2354, 0.3060

Trichromacy



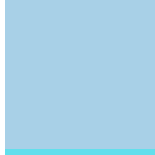
Original Color

61.3456, 0.2394, 0.3236



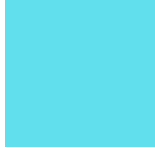
Protanomaly

59.6484, 0.2745, 0.3178



Deuteranomaly

59.2061, 0.2703, 0.3012



Tritanomaly

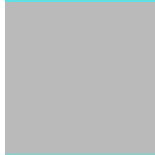
61.4282, 0.2367, 0.3122

Monochromacy



Original Color

61.3456, 0.2394, 0.3236



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

52.2979, 0.2777, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3456, 0.2394, 0.3236 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(95, 224, 228)` looks like.

```
.text, #text, p{  
    color:rgb(95, 224, 228)  
}
```

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(95, 224, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 224, 228) }
```

Border

The CSS property to change the border of an element to Yxy 61.3456, 0.2394, 0.3236 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(95, 224, 228) }
```

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

```
.border{ border-color:rgb(95, 224, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 224, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 224, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 224, 228);  
box-shadow:4px 4px 4px 4px rgb(95, 224,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 61.3456, 0.2394, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 224, 228) }
```

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

```
.background{ background-color: rgb(95, 224,  
228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor