

Converting Colors

$Yxy(61.0724, 0.2319, 0.3200)$

Have a look what the booklet for
Yxy(61.0724, 0.2319, 0.3200)
contains.

Yxy(61.1325, 0.2317, 0.3196)	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(61.1325, 0.2317, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	4AE1E8
RGB	74, 225, 232
RGB Percent	29%, 88%, 91%
CMY	0.7097, 0.1177, 0.0901
CMYK	0.68, 0.03, 0.00, 0.09
HSL	183°, 77%, 60%
HSV	183°, 68%, 91%
XYZ	44.3191, 61.1325, 85.8265
YIQ	180.6490, -92.2430, -29.8350

Conversions

Conversions Part 2

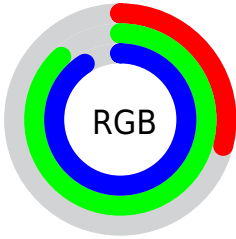
Format	Color
RYB	74, 151, 232
Decimal	4907496
CIELab	82.45, -36.63, -15.01
CIELCh	82, 39.586, 202.280
Yxy	61.1325, 0.2317, 0.3196
Android (android.graphics.Color)	4283097576 (0xFF4AE1E8)
YUV	180.6490, 25.3160, -93.5312
Hunter-Lab	78.1873, -35.6480, -10.3518

Details

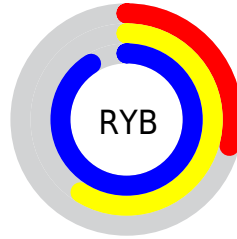
The Yxy color **61.1325, 0.2317, 0.3196** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.5496, 0.5347, 0.3361**, and the grayscale version is **45.9144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **31.5105, 0.2213, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **59.8206, 0.2264, 0.3181**, and if you desaturate by 10%, it is **62.7918, 0.2390, 0.3211**.

Distribution



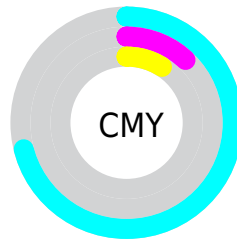
- Red (29%)
- Green (88%)
- Blue (91%)



- Red (29%)
- Yellow (59%)
- Blue (91%)



- Cyan (68%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)





- Cyan (71%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.1325, 0.2317, 0.3196 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 61.1325, 0.2317, 0.3196 by changing the saturation by 10% instead.


 61.1325, 0.2317,
0.3196

 61.1325, 0.2317,
0.3196


428.7597, 0.2692,
0.3253


 44.3321, 0.2232,
0.3180


 106.4708, 0.2447,
0.3218

 30.9317, 0.2128,
0.3158


 135.7774, 0.2497,
0.3226

 20.5468, 0.1997,
0.3127


 170.0216, 0.2541,
0.3233

 12.7932, 0.1828,
0.3082

 209.5878, 0.2579,
0.3238

 7.2863, 0.1605,
0.3012

254.8603, 0.2612,
0.3243

 3.6418, 0.1299,
0.2892

306.2235, 0.2642,

 1.4753, 0.0760,

0.3246

0.2698

364.0618, 0.2668,
0.3250

■ 0.2712, 0.0000,
0.1626

■ 0.0000, 0.0000,
0.0000

■ 61.1325, 0.2317,
0.3196

■ 61.1325, 0.2317,
0.3196

■ 59.8206, 0.2264,
0.3181

■ 62.7918, 0.2390,
0.3211

■ 58.8098, 0.2229,
0.3166


■ 64.8251, 0.2482,
0.3226


■ 58.0470, 0.2211,
0.3151

■ 67.2642, 0.2591,
0.3241


■ 57.9139, 0.2208,
0.3149

■ 70.1356, 0.2716,
0.3255

 73.4637, 0.2854,
0.3268

 77.2707, 0.3002,
0.3281

 81.5778, 0.3157,
0.3292

 85.5104, 0.3284,
0.3303

 86.0974, 0.3283,
0.3313

Harmonies

Analogous

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



61.1325, 0.2631, 0.3703



61.1325, 0.2317, 0.3196



61.1325, 0.2210, 0.2773

Triad

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



61.1325, 0.2317, 0.3196



61.1325, 0.3096, 0.2631



61.1325, 0.3976, 0.4030

Complementary

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



61.1325, 0.2317, 0.3196



23.5496, 0.5347, 0.3361

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.



61.1325, 0.4138, 0.3686



61.1325, 0.2317, 0.3196



61.1325, 0.3609, 0.2912

Square

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



61.1325, 0.2317, 0.3196



61.1325, 0.2630, 0.2493



61.1325, 0.4004, 0.3286



61.1325, 0.3587, 0.4205

Rectangle

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



61.1325, 0.2317, 0.3196



61.1325, 0.2259, 0.2591



61.1325, 0.4004, 0.3286



61.1325, 0.4060, 0.3927

Sweetspot

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



61.1348, 0.2317, 0.3196



90.1384, 0.2826, 0.3266



59.7544, 0.3007, 0.5427



19.0385, 0.2786, 0.3262



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.



61.1348, 0.2317, 0.3196



73.5269, 0.2247, 0.3174



28.3913, 0.2044, 0.2077



16.2207, 0.2982, 0.3279



32.1943, 0.2209, 0.3151



2.4132, 0.2215, 0.3172

Inverse Universe

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



27.4989, 0.3272, 0.1824



29.8415, 0.3299, 0.1674



42.2107, 0.4626, 0.4172



14.6036, 0.3145, 0.3069



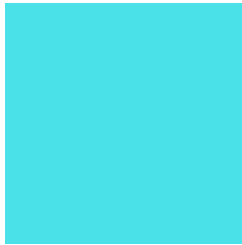
12.4477, 0.3323, 0.1604



0.9233, 0.3305, 0.1594

Previews

White Background



This preview shows how the Yxy color 61.1325, 0.2317, 0.3196 looks on a white background.

Color Contrast Check

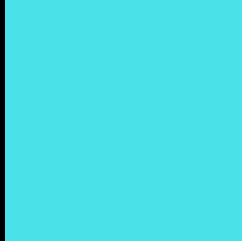
Large Text (above 18pt) WCAG AA × Fail

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 61.1325, 0.2317, 0.3196 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 61.1325, 0.2317, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 61.1325, 0.2317, 0.3196.

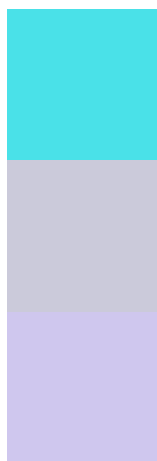


This preview shows how white text looks on a background with the Yxy color 61.1325, 0.2317, 0.3196.

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

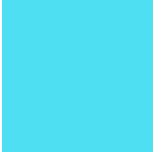
61.1325, 0.2317, 0.3196

Protanopia

59.9995, 0.3022, 0.3105

Deuteranopia

60.2853, 0.2917, 0.2855



Tritanopia

60.8484, 0.2284, 0.3045

Trichromacy



Original Color

61.1325, 0.2317, 0.3196



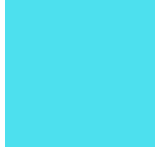
Protanomaly

58.4888, 0.2677, 0.3127



Deuteranomaly

58.5388, 0.2620, 0.2950



Tritanomaly

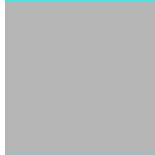
61.0621, 0.2298, 0.3107

Monochromacy



Original Color

61.1325, 0.2317, 0.3196



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.8534, 0.2707, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.1325, 0.2317, 0.3196 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(74, 225, 232)` looks like.

```
.text, #text, p{  
    color:rgb(74, 225, 232)  
}
```

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(74, 225, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 225, 232) }
```

Border

The CSS property to change the border of an element to Yxy 61.1325, 0.2317, 0.3196 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(74, 225, 232) }
```

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

```
.border{ border-color:rgb(74, 225, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 225, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 225, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 225, 232);  
box-shadow:4px 4px 4px 4px rgb(74, 225,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 61.1325, 0.2317, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 225, 232) }
```

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

```
.background{ background-color: rgb(74, 225,  
232) }
```

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