

Converting Colors

$Y_{xy}(60.9195, 0.2259, 0.3160)$

Have a look what the booklet for
Yxy(60.9195, 0.2259, 0.3160)
contains.

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Color

Yxy(61.1209, 0.2262, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	34E2EB
RGB	52, 226, 235
RGB Percent	20%, 89%, 92%
CMY	0.7951, 0.1137, 0.0785
CMYK	0.78, 0.04, 0.00, 0.08
HSL	183°, 82%, 56%
HSV	183°, 78%, 92%
XYZ	43.6137, 61.1209, 88.0758
YIQ	175.0000, -106.5930, -34.0890

Conversions

Conversions Part 2

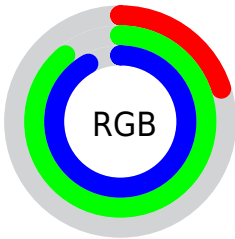
Format	Color
RYB	52, 141, 235
Decimal	3465963
CIELab	82.44, -38.67, -16.62
CIELCh	82, 42.092, 203.256
Yxy	61.1209, 0.2262, 0.3170
Android (android.graphics.Color)	4281656043 (0xFF34E2EB)
YUV	175.0000, 29.5800, -107.8710
Hunter-Lab	78.1799, -37.2361, -12.0690

Details

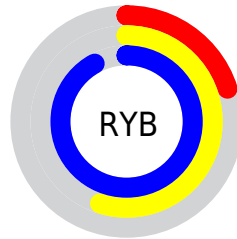
The Yxy color **61.1209, 0.2262, 0.3170** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **21.2699, 0.5777, 0.3361**, and the grayscale version is **42.7920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **32.0041, 0.2204, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **60.0182, 0.2226, 0.3154**, and if you desaturate by 10%, it is **62.5427, 0.2316, 0.3187**.

Distribution



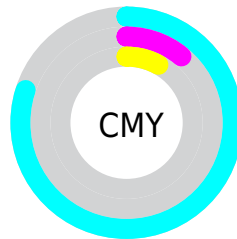
- Red (20%)
- Green (89%)
- Blue (92%)



- Red (20%)
- Yellow (55%)
- Blue (92%)



- Cyan (78%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)





- Cyan (80%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1209, 0.2262, 0.3170 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 61.1209, 0.2262, 0.3170 by changing the saturation by 10% instead.


 61.1209, 0.2262,
0.3170

 61.1209, 0.2262,
0.3170


428.7172, 0.2661,
0.3241


 44.3227, 0.2172,
0.3150


 106.4540, 0.2400,
0.3198

 30.9243, 0.2062,
0.3123


 135.7577, 0.2453,
0.3207

 20.5412, 0.1924,
0.3086


 169.9987, 0.2500,
0.3216

 12.7891, 0.1748,
0.3032

 209.5614, 0.2540,
0.3222

 7.2835, 0.1516,
0.2949

254.8302, 0.2576,
0.3228

 3.6400, 0.1203,
0.2810

306.1895, 0.2607,

 1.4743, 0.0642,

0.3233

0.2590

364.0237, 0.2636,
0.3237

0.2705, 0.0000,
0.1490

0.0000, 0.0000,
0.0000

61.1209, 0.2262,
0.3170

61.1209, 0.2262,
0.3170

60.0182, 0.2226,
0.3154

62.5427, 0.2316,
0.3187


59.1728, 0.2207,
0.3137


64.3174, 0.2390,
0.3204


59.0005, 0.2204,
0.3134


66.4815, 0.2483,
0.3220


69.0653, 0.2594,
0.3236

 72.0962, 0.2720,
0.3252

 75.5991, 0.2859,
0.3266

 79.5971, 0.3007,
0.3280

 84.1119, 0.3162,
0.3293

 87.4711, 0.3262,
0.3304

Harmonies

Analogous

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



61.1209, 0.2586, 0.3714



61.1209, 0.2262, 0.3170



61.1209, 0.2158, 0.2727

Triad

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



61.1209, 0.2262, 0.3170



61.1209, 0.3110, 0.2601



61.1209, 0.4016, 0.4081

Complementary

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



61.1209, 0.2262, 0.3170



21.2699, 0.5777, 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.



61.1209, 0.4200, 0.3717



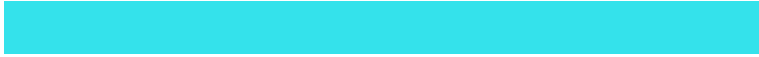
61.1209, 0.2262, 0.3170



61.1209, 0.3655, 0.2901

Square

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



61.1209, 0.2262, 0.3170



61.1209, 0.2613, 0.2450



61.1209, 0.4070, 0.3296



61.1209, 0.3596, 0.4266

Rectangle

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



61.1209, 0.2262, 0.3170



61.1209, 0.2214, 0.2542



61.1209, 0.4070, 0.3296



61.1209, 0.4109, 0.3973

Sweetspot

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



61.1232, 0.2262, 0.3170



88.6975, 0.2783, 0.3259



60.4478, 0.2999, 0.5682



18.6671, 0.2734, 0.3253



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.



61.1232, 0.2262, 0.3170



71.6553, 0.2214, 0.3144



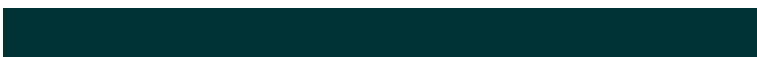
24.7729, 0.1924, 0.1873



16.9876, 0.2981, 0.3278



32.9013, 0.2205, 0.3136



2.6227, 0.2211, 0.3159

Inverse Universe

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



25.6267, 0.3300, 0.1718



28.1797, 0.3328, 0.1626



39.6257, 0.4872, 0.4221



15.3002, 0.3145, 0.3069



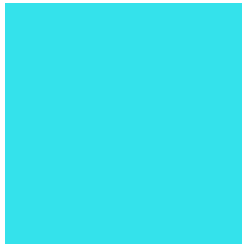
12.8142, 0.3336, 0.1611



1.0102, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 61.1209, 0.2262, 0.3170 looks on a white background.

Color Contrast Check

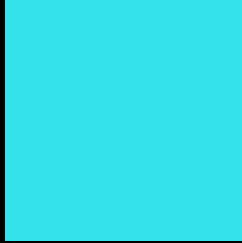
Large Text (above 18pt) WCAG AA × Fail

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 61.1209, 0.2262, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

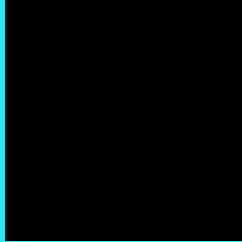
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.1209, 0.2262, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 61.1209, 0.2262, 0.3170.

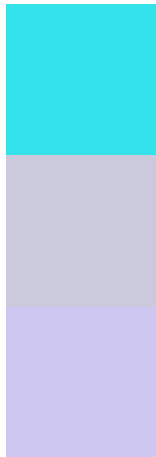


This preview shows how white text looks on a background with the Yxy color 61.1209, 0.2262, 0.3170.

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

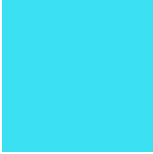
61.1209, 0.2262, 0.3170

Protanopia

59.9649, 0.3001, 0.3082

Deuteranopia

60.1769, 0.2883, 0.2822



Tritanopia

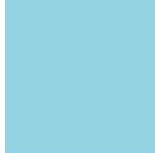
61.2513, 0.2241, 0.3056

Trichromacy



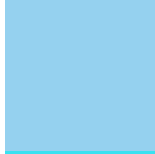
Original Color

61.1209, 0.2262, 0.3170



Protanomaly

58.3207, 0.2621, 0.3113



Deuteranomaly

58.2225, 0.2549, 0.2923



Tritanomaly

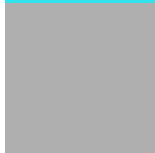
61.0116, 0.2248, 0.3093

Monochromacy



Original Color

61.1209, 0.2262, 0.3170



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

47.3606, 0.2645, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.1209, 0.2262, 0.3170 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(52, 226, 235)` looks like.

```
.text, #text, p{  
    color:rgb(52, 226, 235)  
}
```

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(52, 226, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 226, 235) }
```

Border

The CSS property to change the border of an element to Yxy 61.1209, 0.2262, 0.3170 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(52, 226, 235) }
```

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

```
.border{ border-color:rgb(52, 226, 235) }
```

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

Here you see how a box with a 4 pixel rgb(52, 226, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 226, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 226, 235);  
box-shadow:4px 4px 4px 4px rgb(52, 226,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 61.1209, 0.2262, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 226, 235) }
```

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

```
.background{ background-color: rgb(52, 226,  
235) }
```

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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