

Converting Colors

$Y_{xy}(62.3130, 0.2231, 0.3076)$

Have a look what the booklet for
Yxy(62.3130, 0.2231, 0.3076)
contains.

Yxy(62.1736, 0.2230, 0.3070)	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(62.1736, 0.2230, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	33E3F4
RGB	51, 227, 244
RGB Percent	20%, 89%, 96%
CMY	0.7997, 0.1098, 0.0432
CMYK	0.79, 0.07, 0.00, 0.04
HSL	185°, 90%, 58%
HSV	185°, 79%, 96%
XYZ	45.1619, 62.1736, 95.1843
YIQ	176.3140, -110.3530, -32.0250

Conversions

Conversions Part 2

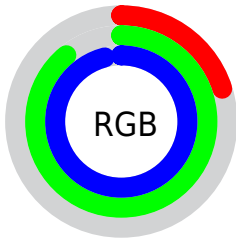
Format	Color
R _Y B	51, 143, 244
Decimal	3400692
CIE Lab	83.01, -36.58, -20.53
CIE LCh	83, 41.953, 209.306
Yxy	62.1736, 0.2230, 0.3070
Android (android.graphics.Color)	4281590772 (0xFF33E3F4)
YUV	176.3140, 33.3692, -109.9004
Hunter-Lab	78.8502, -35.7510, -16.3770

Details

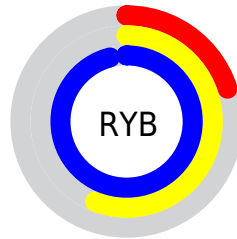
The Yxy color **62.1736, 0.2230, 0.3070** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **23.6070, 0.5779, 0.3413**, and the grayscale version is **43.4655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **32.7567, 0.2168, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **60.5321, 0.2192, 0.3040**, and if you desaturate by 10%, it is **64.1664, 0.2287, 0.3101**.

Distribution



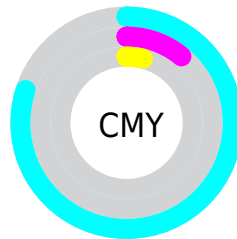
- Red (20%)
- Green (89%)
- Blue (96%)



- Red (20%)
- Yellow (56%)
- Blue (96%)



- Cyan (79%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (80%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1736, 0.2230, 0.3070 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 62.1736, 0.2230, 0.3070 by changing the saturation by 10% instead.

 62.1736, 0.2230,
0.3070

 62.1736, 0.2230,
0.3070


432.5640, 0.2641,
0.3189

 45.1730, 0.2138,
0.3039


 107.9764, 0.2371,
0.3114

 31.5937, 0.2027,
0.2998


 137.5474, 0.2426,
0.3131

 21.0514, 0.1888,
0.2944


 172.0772, 0.2474,
0.3145

 13.1615, 0.1711,
0.2868

 211.9504, 0.2516,
0.3156

 7.5399, 0.1481,
0.2756

257.5513, 0.2553,
0.3166

 3.8020, 0.1174,
0.2579

309.2643, 0.2585,

 1.5634, 0.0697,

0.3175

0.2293

367.4737, 0.2614,
0.3182

■ 0.3327, 0.0000,
0.1390

■ 0.0000, 0.0000,
0.0000

■ 62.1736, 0.2230,
0.3070

■ 62.1736, 0.2230,
0.3070

■ 60.5321, 0.2192,
0.3040

■ 64.1664, 0.2287,
0.3101


■ 59.1661, 0.2170,
0.3010


■ 66.5493, 0.2363,
0.3131

■ 59.0444, 0.2169,
0.3007


■ 69.3631, 0.2458,
0.3161

■ 72.6416, 0.2571,
0.3191

 76.4152, 0.2699,
0.3219

 80.7115, 0.2838,
0.3245

 85.5562, 0.2987,
0.3269

 90.9731, 0.3142,
0.3292

 93.8950, 0.3197,
0.3313

Harmonies

Analogous

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



62.1736, 0.2510, 0.3602



62.1736, 0.2230, 0.3070



62.1736, 0.2172, 0.2667

Triad

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



62.1736, 0.2230, 0.3070



62.1736, 0.3221, 0.2656



62.1736, 0.3940, 0.4130

Complementary

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



62.1736, 0.2230, 0.3070



23.6070, 0.5779, 0.3413

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.



62.1736, 0.4178, 0.3795



62.1736, 0.2230, 0.3070



62.1736, 0.3750, 0.2978

Square

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



62.1736, 0.2230, 0.3070



62.1736, 0.2706, 0.2473



62.1736, 0.4113, 0.3381



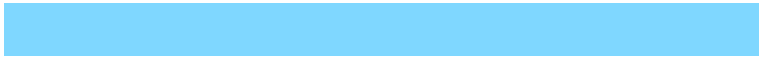
62.1736, 0.3492, 0.4259

Rectangle

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



62.1736, 0.2230, 0.3070



62.1736, 0.2258, 0.2511



62.1736, 0.4113, 0.3381



62.1736, 0.4048, 0.4035

Sweetspot

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



62.1759, 0.2230, 0.3070



86.7962, 0.2767, 0.3232



65.7969, 0.2975, 0.5637



18.2229, 0.2718, 0.3222



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.



62.1759, 0.2230, 0.3070



65.9737, 0.2178, 0.3021



23.5889, 0.1872, 0.1707



18.4938, 0.2981, 0.3269



32.2171, 0.2170, 0.3012



2.9034, 0.2181, 0.3050

Inverse Universe

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



27.1484, 0.3385, 0.1755



27.4643, 0.3434, 0.1679



45.8747, 0.4808, 0.4316



16.7417, 0.3151, 0.3077



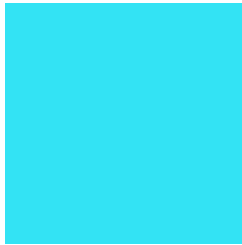
13.3517, 0.3444, 0.1671



1.1807, 0.3411, 0.1653

Previews

White Background



This preview shows how the Yxy color 62.1736, 0.2230, 0.3070 looks on a white background.

Color Contrast Check

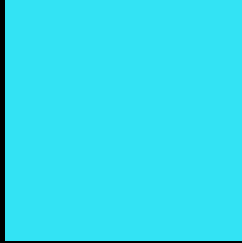
Large Text (above 18pt) WCAG AA × Fail

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 62.1736, 0.2230, 0.3070 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 62.1736, 0.2230, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 62.1736, 0.2230, 0.3070.

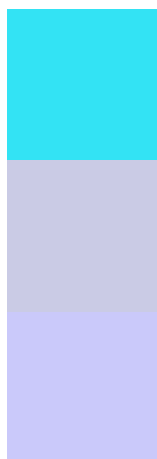


This preview shows how white text looks on a background with the Yxy color 62.1736, 0.2230, 0.3070.

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

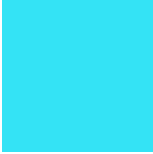
62.1736, 0.2230, 0.3070

Protanopia

60.9256, 0.2941, 0.2994

Deuteranopia

61.2320, 0.2806, 0.2750



Tritanopia

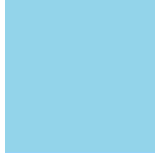
62.2608, 0.2228, 0.3057

Trichromacy



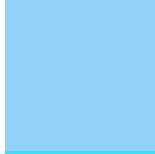
Original Color

62.1736, 0.2230, 0.3070



Protanomaly

59.2305, 0.2569, 0.3018



Deuteranomaly

59.0735, 0.2494, 0.2832



Tritanomaly

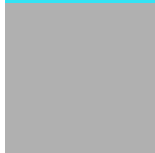
62.2608, 0.2228, 0.3057

Monochromacy



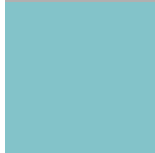
Original Color

62.1736, 0.2230, 0.3070



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

48.0726, 0.2629, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1736, 0.2230, 0.3070 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(51, 227, 244)` looks like.

```
.text, #text, p{  
    color:rgb(51, 227, 244)  
}
```

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(51, 227, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 227, 244) }
```

Border

The CSS property to change the border of an element to Yxy 62.1736, 0.2230, 0.3070 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(51, 227, 244) }
```

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

```
.border{ border-color:rgb(51, 227, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 227, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 227, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 227, 244);  
box-shadow:4px 4px 4px 4px rgb(51, 227,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1736, 0.2230, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 227, 244) }
```

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

```
.background{ background-color: rgb(51, 227,  
244) }
```

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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