

Converting Colors

$Y_{xy}(63.2373, 0.2234, 0.3096)$

Have a look what the booklet for
Yxy(63.2373, 0.2234, 0.3096)
contains.

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Color

Yxy(63.2232, 0.2234, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	31E5F4
RGB	49, 229, 244
RGB Percent	19%, 90%, 96%
CMY	0.8068, 0.1020, 0.0432
CMYK	0.80, 0.06, 0.00, 0.04
HSL	185°, 90%, 57%
HSV	185°, 80%, 96%
XYZ	45.6204, 63.2232, 95.3657
YIQ	176.8900, -112.0950, -33.4950

Conversions

Conversions Part 2

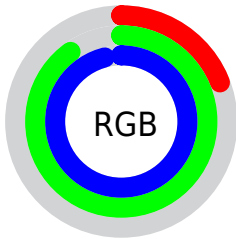
Format	Color
R _{YB}	49, 143, 244
Decimal	3270132
CIE Lab	83.56, -37.66, -19.70
CIE LCh	84, 42.498, 207.618
Yxy	63.2232, 0.2234, 0.3096
Android (android.graphics.Color)	4281460212 (0xFF31E5F4)
YUV	176.8900, 33.0852, -112.1595
Hunter-Lab	79.5130, -36.7339, -15.4517

Details

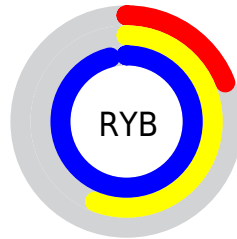
The Yxy color **63.2232, 0.2234, 0.3096** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.1459, 0.5825, 0.3396**, and the grayscale version is **43.8118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **33.5180, 0.2177, 0.3038** is the 20% darker color. If you saturate the color by 10%, you get **61.7380, 0.2199, 0.3070**, and if you desaturate by 10%, it is **65.0526, 0.2288, 0.3123**.

Distribution



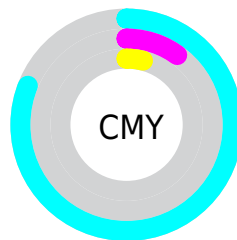
- Red (19%)
- Green (90%)
- Blue (96%)



- Red (19%)
- Yellow (56%)
- Blue (96%)



- Cyan (80%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)





- Cyan (81%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2232, 0.2234, 0.3096 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 63.2232, 0.2234, 0.3096 by changing the saturation by 10% instead.


 63.2232, 0.2234,
0.3096


 63.2232, 0.2234,
0.3096


436.3791, 0.2642,
0.3202


 46.0218, 0.2143,
0.3068


 109.4915, 0.2374,
0.3136


 32.2630, 0.2032,
0.3031


 139.3271, 0.2429,
0.3151

 21.5625, 0.1895,
0.2982

 174.1430, 0.2476,
0.3163

 13.5358, 0.1720,
0.2912

 214.3234, 0.2518,
0.3173

 7.7985, 0.1492,
0.2809

260.2528, 0.2554,
0.3182

 3.9663, 0.1189,
0.2645

312.3157, 0.2587,

 1.6547, 0.0729,

0.3190

0.2376

370.8963, 0.2616,
0.3196

■ 0.3941, 0.0000,
0.1596

■ 0.0000, 0.0000,
0.0000

■ 63.2232, 0.2234,
0.3096

■ 63.2232, 0.2234,
0.3096

■ 61.7380, 0.2199,
0.3070

■ 65.0526, 0.2288,
0.3123


■ 60.5143, 0.2179,
0.3044


■ 67.2655, 0.2361,
0.3149


■ 60.4921, 0.2179,
0.3043


■ 69.9032, 0.2454,
0.3175


■ 72.9998, 0.2564,
0.3201

 76.5858, 0.2690,
0.3226

 80.6891, 0.2828,
0.3249

 85.3355, 0.2976,
0.3270

 90.5488, 0.3130,
0.3290

 93.6331, 0.3198,
0.3309

Harmonies

Analogous

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



63.2232, 0.2528, 0.3635



63.2232, 0.2234, 0.3096



63.2232, 0.2163, 0.2680

Triad

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



63.2232, 0.2234, 0.3096



63.2232, 0.3190, 0.2638



63.2232, 0.3966, 0.4121

Complementary

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



63.2232, 0.2234, 0.3096



23.1459, 0.5825, 0.3396

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.



63.2232, 0.4190, 0.3776



63.2232, 0.2234, 0.3096



63.2232, 0.3727, 0.2955

Square

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



63.2232, 0.2234, 0.3096



63.2232, 0.2677, 0.2462



63.2232, 0.4107, 0.3357



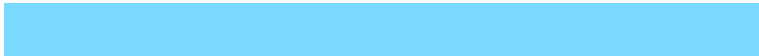
63.2232, 0.3523, 0.4267

Rectangle

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



63.2232, 0.2234, 0.3096



63.2232, 0.2241, 0.2515



63.2232, 0.4107, 0.3357



63.2232, 0.4071, 0.4021

Sweetspot

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



63.2255, 0.2234, 0.3096



87.2157, 0.2768, 0.3239



65.6961, 0.2983, 0.5681



18.3256, 0.2719, 0.3231



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.



63.2255, 0.2234, 0.3096



67.3733, 0.2185, 0.3053



24.1386, 0.1875, 0.1736



18.5268, 0.2981, 0.3271



32.9918, 0.2180, 0.3048



2.9634, 0.2189, 0.3080

Inverse Universe

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



27.1035, 0.3363, 0.1735



27.5473, 0.3407, 0.1661



44.4544, 0.4858, 0.4288



16.7450, 0.3150, 0.3074



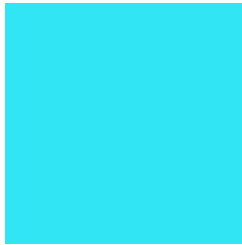
13.4299, 0.3412, 0.1653



1.1868, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 63.2232, 0.2234, 0.3096 looks on a white background.

Color Contrast Check

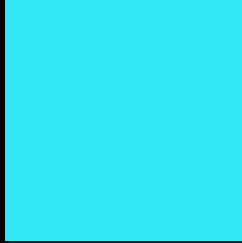
Large Text (above 18pt) WCAG AA × Fail

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 63.2232, 0.2234, 0.3096 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 63.2232, 0.2234, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 63.2232, 0.2234, 0.3096.



This preview shows how white text looks on a background with the Yxy color 63.2232, 0.2234, 0.3096.

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

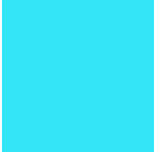
63.2232, 0.2234, 0.3096

Protanopia

62.1014, 0.2962, 0.3029

Deuteranopia

62.1223, 0.2828, 0.2764



Tritanopia

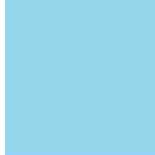
62.9323, 0.2224, 0.3046

Trichromacy



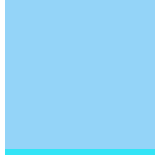
Original Color

63.2232, 0.2234, 0.3096



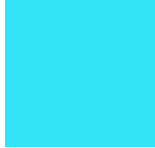
Protanomaly

60.3295, 0.2578, 0.3043



Deuteranomaly

60.1602, 0.2504, 0.2858



Tritanomaly

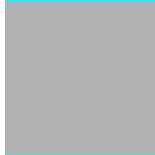
62.8444, 0.2226, 0.3058

Monochromacy



Original Color

63.2232, 0.2234, 0.3096



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

48.5222, 0.2631, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2232, 0.2234, 0.3096 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(49, 229, 244)` looks like.

```
.text, #text, p{  
    color:rgb(49, 229, 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(49, 229, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 229, 244) }
```

Border

The CSS property to change the border of an element to Yxy 63.2232, 0.2234, 0.3096 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(49, 229, 244) }
```

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

```
.border{ border-color:rgb(49, 229, 244) }
```

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

Here you see how a box with a 4 pixel rgb(49, 229, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 229, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 229, 244);  
box-shadow:4px 4px 4px 4px rgb(49, 229,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2232, 0.2234, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 229, 244) }
```

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

```
.background{ background-color: rgb(49, 229,  
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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