

Converting Colors

$Y_{xy}(63.6521, 0.2235, 0.3123)$

Have a look what the booklet for
Yxy(63.6521, 0.2235, 0.3123)
contains.

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Color

Yxy(63.6226, 0.2235, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	2DE6F3
RGB	45, 230, 243
RGB Percent	18%, 90%, 95%
CMY	0.8228, 0.0980, 0.0471
CMYK	0.81, 0.05, 0.00, 0.05
HSL	184°, 89%, 57%
HSV	184°, 81%, 95%
XYZ	45.5612, 63.6226, 94.6695
YIQ	176.1670, -114.4330, -35.1770

Conversions

Conversions Part 2

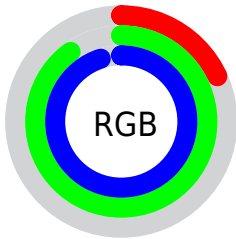
Format	Color
RYB	45, 141, 243
Decimal	3008243
CIELab	83.77, -38.73, -18.87
CIELCh	84, 43.081, 205.982
Yxy	63.6226, 0.2235, 0.3121
Android (android.graphics.Color)	4281198323 (0xFF2DE6F3)
YUV	176.1670, 32.9487, -115.0335
Hunter-Lab	79.7638, -37.6271, -14.5350

Details

The Yxy color **63.6226, 0.2235, 0.3121** 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 **22.2886, 0.5903, 0.3377**, and the grayscale version is **43.4047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **33.8600, 0.2187, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **62.3364, 0.2204, 0.3099**, and if you desaturate by 10%, it is **65.2386, 0.2284, 0.3144**.

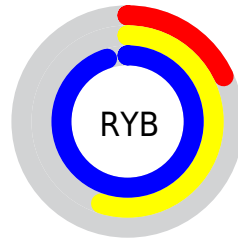
Distribution



Red (18%)

Green (90%)

Blue (95%)



Red (18%)

Yellow (55%)

Blue (95%)

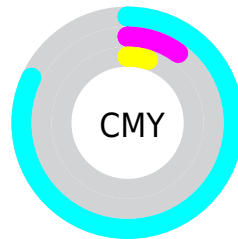


Cyan (81%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (82%)


Magenta (10%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6226, 0.2235, 0.3121 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 63.6226, 0.2235, 0.3121 by changing the saturation by 10% instead.


 63.6226, 0.2235,
0.3121


 63.6226, 0.2235,
0.3121


437.8255, 0.2642,
0.3215


 46.3451, 0.2144,
0.3096


 110.0672, 0.2375,
0.3157

 32.5182, 0.2034,
0.3062


 140.0031, 0.2429,
0.3170

 21.7576, 0.1896,
0.3017


 174.9273, 0.2477,
0.3181

 13.6789, 0.1722,
0.2953

 215.2241, 0.2518,
0.3190

 7.8977, 0.1494,
0.2857

261.2779, 0.2555,
0.3198

 4.0295, 0.1192,
0.2703

313.4731, 0.2587,

 1.6901, 0.0729,

0.3204

0.2449

372.1942, 0.2616,
0.3210

■ 0.4172, 0.0000,
0.1711

■ 0.0000, 0.0000,
0.0000

■ 63.6226, 0.2235,
0.3121

■ 63.6226, 0.2235,
0.3121

■ 62.3364, 0.2204,
0.3099

■ 65.2386, 0.2284,
0.3144

■ 61.4249, 0.2189,
0.3080

■ 67.2247, 0.2353,
0.3166

■ 69.6228, 0.2441,
0.3189

■ 72.4674, 0.2548,
0.3211

75.7891, 0.2670,
0.3232

79.6158, 0.2806,
0.3252

83.9735, 0.2952,
0.3270

88.8860, 0.3105,
0.3288

92.6543, 0.3205,
0.3304

Harmonies

Analogous

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



63.6226, 0.2543, 0.3669



63.6226, 0.2235, 0.3121



63.6226, 0.2151, 0.2690

Triad

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



63.6226, 0.2235, 0.3121



63.6226, 0.3160, 0.2617



63.6226, 0.3994, 0.4115

Complementary

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



63.6226, 0.2235, 0.3121



22.2886, 0.5903, 0.3377

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.



63.6226, 0.4206, 0.3758



63.6226, 0.2235, 0.3121



63.6226, 0.3707, 0.2931

Square

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



63.6226, 0.2235, 0.3121



63.6226, 0.2648, 0.2449



63.6226, 0.4104, 0.3334



63.6226, 0.3554, 0.4278

Rectangle

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



63.6226, 0.2235, 0.3121



63.6226, 0.2222, 0.2516



63.6226, 0.4104, 0.3334



63.6226, 0.4096, 0.4010

Sweetspot

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



63.6249, 0.2235, 0.3121



87.6437, 0.2768, 0.3246



64.9377, 0.2990, 0.5739



18.4305, 0.2720, 0.3239



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.



63.6249, 0.2235, 0.3121



68.7393, 0.2192, 0.3084



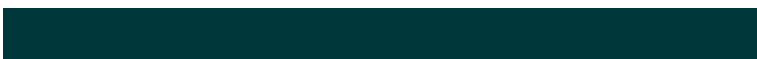
24.1368, 0.1870, 0.1748



18.5603, 0.2981, 0.3274



33.7918, 0.2190, 0.3084



3.0252, 0.2198, 0.3111

Inverse Universe

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



26.6573, 0.3343, 0.1708



27.5778, 0.3381, 0.1641



42.3485, 0.4927, 0.4259



16.7484, 0.3148, 0.3072



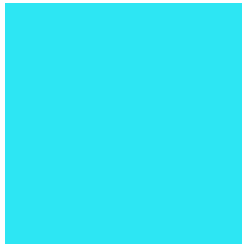
13.5107, 0.3381, 0.1636



1.1930, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 63.6226, 0.2235, 0.3121 looks on a white background.

Color Contrast Check

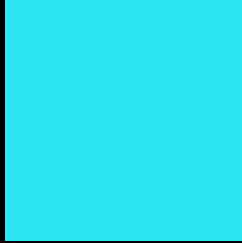
Large Text (above 18pt) WCAG AA × Fail

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 63.6226, 0.2235, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

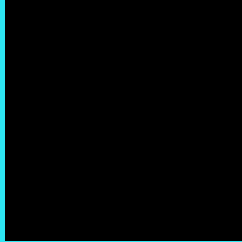
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.6226, 0.2235, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 63.6226, 0.2235, 0.3121.

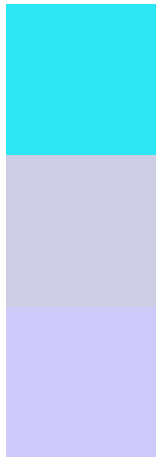


This preview shows how white text looks on a background with the Yxy color 63.6226, 0.2235, 0.3121.

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

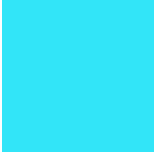
63.6226, 0.2235, 0.3121

Protanopia

62.6678, 0.2976, 0.3052

Deuteranopia

62.2024, 0.2841, 0.2775



Tritanopia

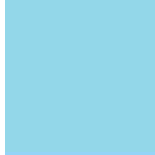
63.4940, 0.2221, 0.3047

Trichromacy



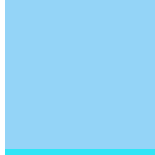
Original Color

63.6226, 0.2235, 0.3121



Protanomaly

60.6871, 0.2580, 0.3067



Deuteranomaly

60.0983, 0.2508, 0.2869



Tritanomaly

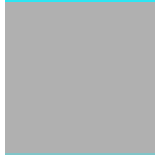
63.3208, 0.2225, 0.3071

Monochromacy



Original Color

63.6226, 0.2235, 0.3121



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

48.2392, 0.2618, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6226, 0.2235, 0.3121 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(45, 230, 243)` looks like.

```
.text, #text, p{  
    color:rgb(45, 230, 243)  
}
```

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(45, 230, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 230, 243) }
```

Border

The CSS property to change the border of an element to Yxy 63.6226, 0.2235, 0.3121 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(45, 230, 243) }
```

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

```
.border{ border-color:rgb(45, 230, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 230, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 230, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 230, 243);  
box-shadow:4px 4px 4px 4px rgb(45, 230,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6226, 0.2235, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 230, 243) }
```

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

```
.background{ background-color: rgb(45, 230,  
243) }
```

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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