

Converting Colors

$Y_{xy}(63.3738, 0.2213, 0.3046)$

Have a look what the booklet for
Yxy(63.3738, 0.2213, 0.3046)
contains.

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Color

Yxy(63.3738, 0.2213, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	2DE5F8
RGB	45, 229, 248
RGB Percent	18%, 90%, 97%
CMY	0.8242, 0.1019, 0.0273
CMYK	0.82, 0.08, 0.00, 0.03
HSL	186°, 94%, 57%
HSV	186°, 82%, 97%
XYZ	46.0428, 63.3738, 98.6393
YIQ	176.1500, -115.7630, -33.0990

Conversions

Conversions Part 2

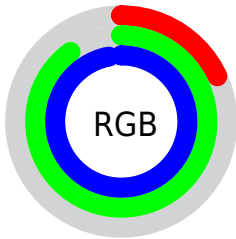
Format	Color
R_{YB}	45, 142, 248
Decimal	3007992
CIE _{Lab}	83.64, -36.79, -21.73
CIE _{LCh}	84, 42.730, 210.566
Yxy	63.3738, 0.2213, 0.3046
Android (android.graphics.Color)	4281198072 (0xFF2DE5F8)
YUV	176.1500, 35.4220, -115.0186
Hunter-Lab	79.6077, -36.0742, -17.7389

Details

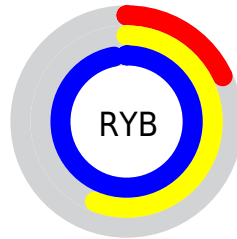
The Yxy color **63.3738, 0.2213, 0.3046** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.8020, 0.5883, 0.3414**, and the grayscale version is **43.3321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **33.6929, 0.2160, 0.2976** is the 20% darker color. If you saturate the color by 10%, you get **61.6943, 0.2180, 0.3014**, and if you desaturate by 10%, it is **65.4046, 0.2265, 0.3079**.

Distribution



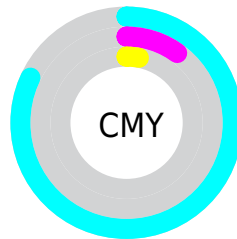
- Red (18%)
- Green (90%)
- Blue (97%)



- Red (18%)
- Yellow (56%)
- Blue (97%)



- Cyan (82%)
- Magenta (8%)
- Yellow (0%)
- Black (3%)




- Cyan (82%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3738, 0.2213, 0.3046 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 63.3738, 0.2213, 0.3046 by changing the saturation by 10% instead.


 63.3738, 0.2213,
0.3046


 63.3738, 0.2213,
0.3046


436.9248, 0.2629,
0.3176


 46.1437, 0.2121,
0.3012


 109.7086, 0.2355,
0.3094


 32.3592, 0.2008,
0.2969


 139.5821, 0.2411,
0.3112

 21.6360, 0.1869,
0.2911


 174.4388, 0.2460,
0.3127

 13.5897, 0.1692,
0.2830

 214.6632, 0.2502,
0.3140

 7.8359, 0.1464,
0.2713

260.6395, 0.2540,
0.3151

 3.9901, 0.1162,
0.2530

312.7523, 0.2573,

 1.6680, 0.0719,

0.3160

0.2235

371.3860, 0.2603,
0.3169

■ 0.4028, 0.0000,
0.1470

■ 0.0000, 0.0000,
0.0000

■ 63.3738, 0.2213,
0.3046

■ 63.3738, 0.2213,
0.3046

■ 61.6943, 0.2180,
0.3014

■ 65.4046, 0.2265,
0.3079


■ 60.5267, 0.2163,
0.2988


■ 67.8302, 0.2336,
0.3111


■ 70.6950, 0.2427,
0.3144

■ 74.0353, 0.2536,
0.3175

 77.8836, 0.2660,
0.3206

 82.2697, 0.2797,
0.3234

 87.2206, 0.2944,
0.3261

 92.7619, 0.3097,
0.3286

 96.3546, 0.3171,
0.3308

Harmonies

Analogous

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



63.3738, 0.2487, 0.3583



63.3738, 0.2213, 0.3046



63.3738, 0.2164, 0.2647

Triad

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



63.3738, 0.2213, 0.3046



63.3738, 0.3245, 0.2661



63.3738, 0.3933, 0.4150

Complementary

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



63.3738, 0.2213, 0.3046



23.8020, 0.5883, 0.3414

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.



63.3738, 0.4186, 0.3816



63.3738, 0.2213, 0.3046



63.3738, 0.3778, 0.2990

Square

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



63.3738, 0.2213, 0.3046



63.3738, 0.2721, 0.2468



63.3738, 0.4134, 0.3399



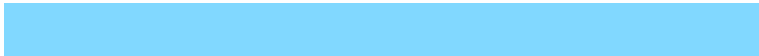
63.3738, 0.3473, 0.4270

Rectangle

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



63.3738, 0.2213, 0.3046



63.3738, 0.2257, 0.2495



63.3738, 0.4134, 0.3399



63.3738, 0.4047, 0.4056

Sweetspot

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



63.3761, 0.2213, 0.3046



86.0991, 0.2753, 0.3225



68.0552, 0.2976, 0.5702



18.0765, 0.2705, 0.3215



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.



63.3761, 0.2213, 0.3046



64.7412, 0.2167, 0.2994



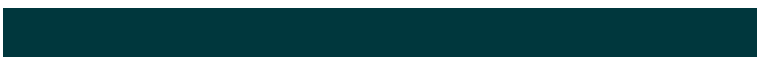
23.1663, 0.1839, 0.1642



19.3143, 0.2980, 0.3267



32.7985, 0.2165, 0.2993



3.1163, 0.2176, 0.3032

Inverse Universe

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



27.4844, 0.3407, 0.1741



27.1742, 0.3459, 0.1684



46.4759, 0.4870, 0.4323



17.4949, 0.3152, 0.3078



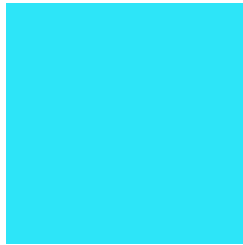
13.7219, 0.3460, 0.1680



1.2788, 0.3426, 0.1661

Previews

White Background



This preview shows how the Yxy color 63.3738, 0.2213, 0.3046 looks on a white background.

Color Contrast Check

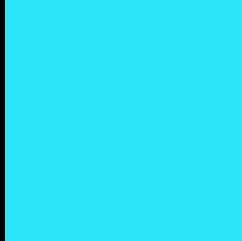
Large Text (above 18pt) WCAG AA × Fail

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 63.3738, 0.2213, 0.3046 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 63.3738, 0.2213, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 63.3738, 0.2213, 0.3046.

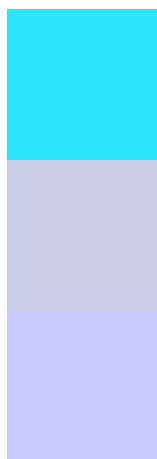


This preview shows how white text looks on a background with the Yxy color 63.3738, 0.2213, 0.3046.

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

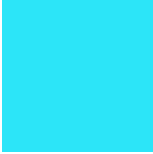
63.3738, 0.2213, 0.3046

Protanopia

62.1853, 0.2929, 0.2985

Deuteranopia

62.0933, 0.2790, 0.2722



Tritanopia

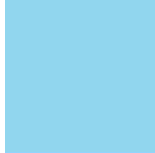
63.3514, 0.2212, 0.3046

Trichromacy



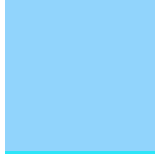
Original Color

63.3738, 0.2213, 0.3046



Protanomaly

60.2859, 0.2542, 0.2995



Deuteranomaly

60.1350, 0.2469, 0.2812



Tritanomaly

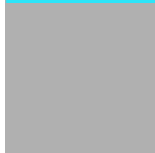
63.3514, 0.2212, 0.3046

Monochromacy



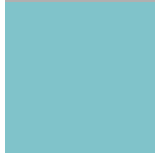
Original Color

63.3738, 0.2213, 0.3046



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.8837, 0.2605, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3738, 0.2213, 0.3046 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, 229, 248)` looks like.

```
.text, #text, p{  
  color:rgb(45, 229, 248)  
}
```

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, 229, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 229, 248) }
```

Border

The CSS property to change the border of an element to Yxy 63.3738, 0.2213, 0.3046 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, 229, 248) }
```

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

```
.border{ border-color:rgb(45, 229, 248) }
```

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

Here you see how a box with a 4 pixel rgb(45, 229, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 229, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 229, 248);  
box-shadow:4px 4px 4px 4px rgb(45, 229,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3738, 0.2213, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 229, 248) }
```

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

```
.background{ background-color: rgb(45, 229,  
248) }
```

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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