

Converting Colors

$Y_{xy}(63.9109, 0.2304, 0.3204)$

Have a look what the booklet for
Yxy(63.9109, 0.2304, 0.3204)
contains.

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Color

Yxy(63.9150, 0.2305, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	45E6EC
RGB	69, 230, 236
RGB Percent	27%, 90%, 93%
CMY	0.7294, 0.0980, 0.0744
CMYK	0.71, 0.03, 0.00, 0.07
HSL	182°, 81%, 60%
HSV	182°, 71%, 93%
XYZ	45.8954, 63.9150, 89.3018
YIQ	182.5450, -97.8820, -32.2660

Conversions

Conversions Part 2

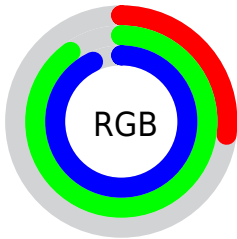
Format	Color
RYB	69, 151, 236
Decimal	4581100
CIELab	83.92, -38.43, -14.93
CIELCh	84, 41.230, 201.233
Yxy	63.9150, 0.2305, 0.3210
Android (android.graphics.Color)	4282771180 (0xFF45E6EC)
YUV	182.5450, 26.3533, -99.5790
Hunter-Lab	79.9469, -37.4349, -10.2650

Details

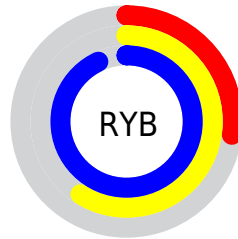
The Yxy color **63.9150, 0.2305, 0.3210** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **23.3072, 0.5486, 0.3348**, and the grayscale version is **46.9885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **33.5674, 0.2218, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **62.7453, 0.2258, 0.3198**, and if you desaturate by 10%, it is **65.4348, 0.2371, 0.3222**.

Distribution



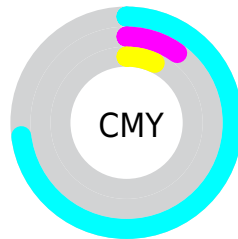
- Red (27%)
- Green (90%)
- Blue (93%)



- Red (27%)
- Yellow (59%)
- Blue (93%)



- Cyan (71%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)





- Cyan (73%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9150, 0.2305, 0.3210 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 63.9150, 0.2305, 0.3210 by changing the saturation by 10% instead.


 63.9150, 0.2305,
0.3210

 63.9150, 0.2305,
0.3210

438.8826, 0.2682,
0.3260

 46.5818, 0.2220,
0.3195

 110.4885, 0.2435,
0.3230

 32.7052, 0.2117,
0.3176


 140.4976, 0.2486,
0.3237

 21.9007, 0.1987,
0.3148


 175.5009, 0.2530,
0.3243

 13.7840, 0.1821,
0.3107

 215.8826, 0.2568,
0.3247

 7.9706, 0.1603,
0.3043

262.0273, 0.2602,
0.3251

 4.0761, 0.1307,
0.2935

314.3193, 0.2632,

 1.7162, 0.0843,

0.3255

0.2746

373.1429, 0.2658,
0.3258

■ 0.4341, 0.0000,
0.2104

■ 0.0000, 0.0000,
0.0000

■ 63.9150, 0.2305,
0.3210

■ 63.9150, 0.2305,
0.3210

■ 62.7453, 0.2258,
0.3198

■ 65.4348, 0.2371,
0.3222

■ 61.8752, 0.2229,
0.3186

■ 67.3340, 0.2457,
0.3235


■ 61.2735, 0.2215,
0.3175


■ 69.6466, 0.2561,
0.3247


■ 72.4011, 0.2682,
0.3258

 75.6234, 0.2816,
0.3269

 79.3372, 0.2962,
0.3280

 83.5650, 0.3115,
0.3289

 87.7853, 0.3254,
0.3298

 88.2801, 0.3254,
0.3306

Harmonies

Analogous

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



63.9150, 0.2633, 0.3732



63.9150, 0.2305, 0.3210



63.9150, 0.2188, 0.2771

Triad

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



63.9150, 0.2305, 0.3210



63.9150, 0.3076, 0.2608



63.9150, 0.4007, 0.4037

Complementary

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



63.9150, 0.2305, 0.3210



23.3072, 0.5486, 0.3348

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.



63.9150, 0.4165, 0.3679



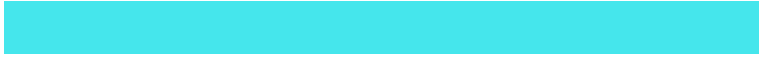
63.9150, 0.2305, 0.3210



63.9150, 0.3604, 0.2891

Square

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



63.9150, 0.2305, 0.3210



63.9150, 0.2603, 0.2472



63.9150, 0.4017, 0.3270



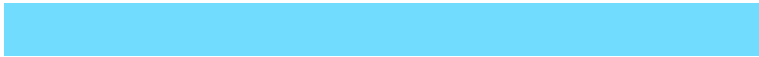
63.9150, 0.3614, 0.4227

Rectangle

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



63.9150, 0.2305, 0.3210



63.9150, 0.2233, 0.2581



63.9150, 0.4017, 0.3270



63.9150, 0.4091, 0.3930

Sweetspot

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



63.9174, 0.2305, 0.3210



89.9913, 0.2812, 0.3269



61.7799, 0.3004, 0.5505



19.0227, 0.2773, 0.3266



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.



63.9174, 0.2305, 0.3210



74.2599, 0.2243, 0.3192



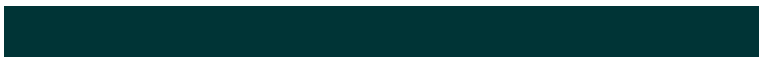
28.1771, 0.2008, 0.2019



17.0230, 0.2981, 0.3281



33.8063, 0.2216, 0.3177



2.6838, 0.2220, 0.3193

Inverse Universe

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



27.8096, 0.3263, 0.1778



29.3879, 0.3285, 0.1643



42.7534, 0.4697, 0.4190



15.3038, 0.3144, 0.3066



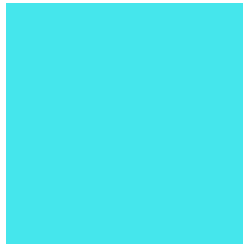
12.9056, 0.3301, 0.1592



1.0163, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 63.9150, 0.2305, 0.3210 looks on a white background.

Color Contrast Check

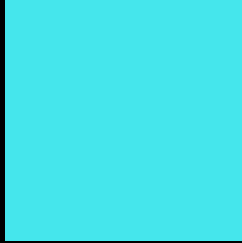
Large Text (above 18pt) WCAG AA × Fail

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 63.9150, 0.2305, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

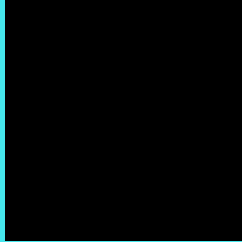
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.9150, 0.2305, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 63.9150, 0.2305, 0.3210.

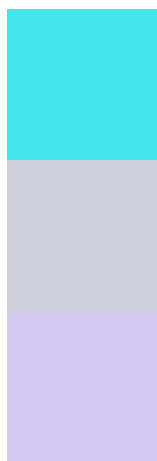


This preview shows how white text looks on a background with the Yxy color 63.9150, 0.2305, 0.3210.

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

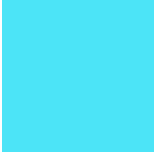
63.9150, 0.2305, 0.3210

Protanopia

62.6285, 0.3031, 0.3119

Deuteranopia

62.9716, 0.2920, 0.2862



Tritanopia

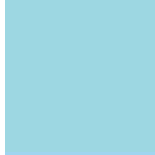
63.7387, 0.2273, 0.3049

Trichromacy



Original Color

63.9150, 0.2305, 0.3210



Protanomaly

61.2600, 0.2674, 0.3154



Deuteranomaly

61.2507, 0.2606, 0.2966



Tritanomaly

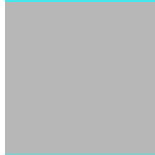
63.9262, 0.2284, 0.3110

Monochromacy



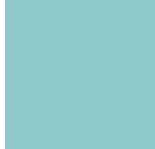
Original Color

63.9150, 0.2305, 0.3210



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

51.3236, 0.2699, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9150, 0.2305, 0.3210 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(69, 230, 236)` looks like.

```
.text, #text, p{  
    color:rgb(69, 230, 236)  
}
```

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(69, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 230, 236) }
```

Border

The CSS property to change the border of an element to Yxy 63.9150, 0.2305, 0.3210 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(69, 230, 236) }
```

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

```
.border{ border-color:rgb(69, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(69, 230,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9150, 0.2305, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 230, 236) }
```

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

```
.background{ background-color: rgb(69, 230,  
236) }
```

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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