

Converting Colors

$Yxy(63.0063, 0.2268, 0.3115)$

Have a look what the booklet for
Yxy(63.0063, 0.2268, 0.3115)
contains.

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Color

Yxy(63.0214, 0.2267, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	41E4F2
RGB	65, 228, 242
RGB Percent	25%, 89%, 95%
CMY	0.7446, 0.1059, 0.0511
CMYK	0.73, 0.06, 0.00, 0.05
HSL	185°, 87%, 60%
HSV	185°, 73%, 95%
XYZ	45.9535, 63.0214, 93.7314
YIQ	180.8590, -101.6420, -30.2020

Conversions

Conversions Part 2

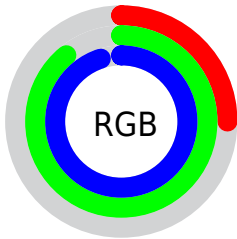
Format	Color
R _Y B	65, 150, 242
Decimal	4318450
CIE Lab	83.45, -36.25, -18.78
CIE LCh	83, 40.826, 207.394
Yxy	63.0214, 0.2267, 0.3109
Android (android.graphics.Color)	4282508530 (0xFF41E4F2)
YUV	180.8590, 30.1425, -101.6083
Hunter-Lab	79.3860, -35.5987, -14.4337

Details

The Yxy color **63.0214, 0.2267, 0.3109** 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 **24.8647, 0.5536, 0.3409**, and the grayscale version is **46.0227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **33.0502, 0.2181, 0.3053** is the 20% darker color. If you saturate the color by 10%, you get **61.3187, 0.2219, 0.3082**, and if you desaturate by 10%, it is **65.0941, 0.2334, 0.3136**.

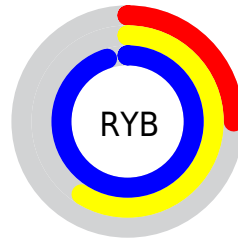
Distribution



Red (25%)

Green (89%)

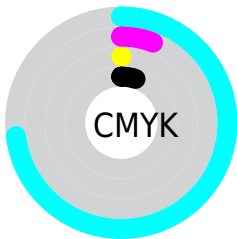
Blue (95%)



Red (25%)

Yellow (59%)

Blue (95%)

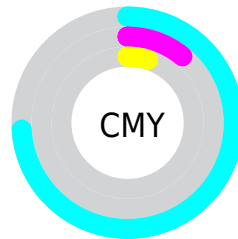


Cyan (73%)

Magenta (6%)

Yellow (0%)

Black (5%)



Cyan (74%)


Magenta (11%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0214, 0.2267, 0.3109 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 63.0214, 0.2267, 0.3109 by changing the saturation by 10% instead.


 63.0214, 0.2267,
0.3109

 63.0214, 0.2267,
0.3109


435.6471, 0.2661,
0.3208


 45.8585, 0.2179,
0.3083


 109.2004, 0.2402,
0.3146


 32.1342, 0.2071,
0.3048


 138.9853, 0.2455,
0.3160

 21.4640, 0.1937,
0.3002


 173.7463, 0.2501,
0.3171

 13.4636, 0.1766,
0.2937

 213.8678, 0.2541,
0.3181

 7.7486, 0.1543,
0.2839

259.7343, 0.2577,
0.3189

 3.9345, 0.1243,
0.2684

311.7301, 0.2608,

 1.6370, 0.0786,

0.3196

0.2425

370.2396, 0.2636,
0.3203

■ 0.3823, 0.0000,
0.1639

■ 0.0000, 0.0000,
0.0000

■ 63.0214, 0.2267,
0.3109

■ 63.0214, 0.2267,
0.3109

■ 61.3187, 0.2219,
0.3082

■ 65.0941, 0.2334,
0.3136


■ 59.9302, 0.2189,
0.3055


■ 67.5698, 0.2421,
0.3164


■ 59.1046, 0.2177,
0.3037

■ 70.4858, 0.2526,
0.3190


■ 73.8729, 0.2647,
0.3216

 77.7592, 0.2781,
0.3240

 82.1707, 0.2926,
0.3263

 87.1314, 0.3079,
0.3284

 91.9534, 0.3212,
0.3303

 93.1065, 0.3210,
0.3322

Harmonies

Analogous

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



63.0214, 0.2553, 0.3626



63.0214, 0.2267, 0.3109



63.0214, 0.2196, 0.2706

Triad

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



63.0214, 0.2267, 0.3109



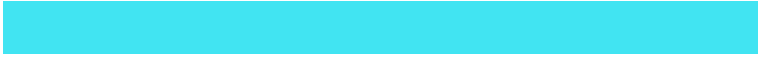
63.0214, 0.3185, 0.2658



63.0214, 0.3938, 0.4090

Complementary

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



63.0214, 0.2267, 0.3109



24.8647, 0.5536, 0.3409

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.



63.0214, 0.4151, 0.3758



63.0214, 0.2267, 0.3109



63.0214, 0.3701, 0.2965

Square

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



63.0214, 0.2267, 0.3109



63.0214, 0.2691, 0.2490



63.0214, 0.4067, 0.3354



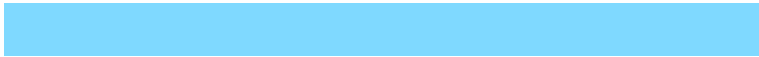
63.0214, 0.3514, 0.4228

Rectangle

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



63.0214, 0.2267, 0.3109



63.0214, 0.2271, 0.2544



63.0214, 0.4067, 0.3354



63.0214, 0.4038, 0.3994

Sweetspot

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



63.0237, 0.2267, 0.3109



88.0709, 0.2796, 0.3243



65.1562, 0.2985, 0.5515



18.5802, 0.2758, 0.3236



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.



63.0237, 0.2267, 0.3109



68.2227, 0.2202, 0.3068



26.8132, 0.1956, 0.1883



17.7025, 0.2981, 0.3271



31.8509, 0.2178, 0.3041



2.7126, 0.2188, 0.3076

Inverse Universe

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



28.2703, 0.3348, 0.1802



28.3487, 0.3392, 0.1686



46.2916, 0.4702, 0.4261



16.0086, 0.3150, 0.3075



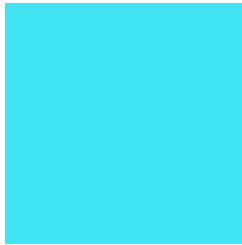
13.0087, 0.3418, 0.1657



1.0886, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 63.0214, 0.2267, 0.3109 looks on a white background.

Color Contrast Check

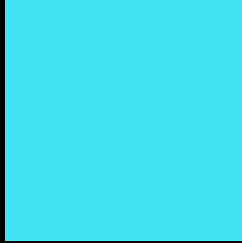
Large Text (above 18pt) WCAG AA × Fail

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 63.0214, 0.2267, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

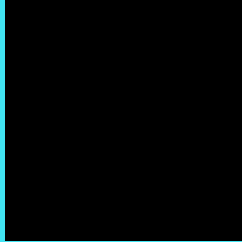
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.0214, 0.2267, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 63.0214, 0.2267, 0.3109.

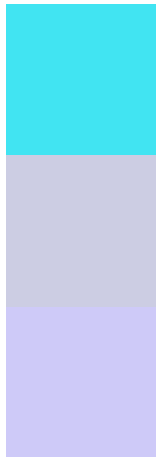


This preview shows how white text looks on a background with the Yxy color 63.0214, 0.2267, 0.3109.

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

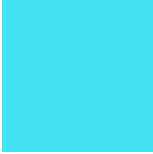
63.0214, 0.2267, 0.3109

Protanopia

62.0461, 0.2969, 0.3040

Deuteranopia

62.1402, 0.2847, 0.2785



Tritanopia

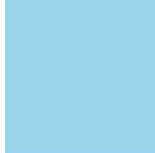
62.8209, 0.2255, 0.3047

Trichromacy



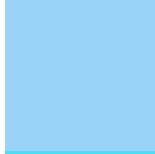
Original Color

63.0214, 0.2267, 0.3109



Protanomaly

60.1870, 0.2615, 0.3056



Deuteranomaly

60.2109, 0.2549, 0.2872



Tritanomaly

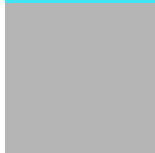
62.7240, 0.2256, 0.3059

Monochromacy



Original Color

63.0214, 0.2267, 0.3109



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

50.1889, 0.2671, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0214, 0.2267, 0.3109 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(65, 228, 242)` looks like.

```
.text, #text, p{  
    color:rgb(65, 228, 242)  
}
```

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(65, 228, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 228, 242) }
```

Border

The CSS property to change the border of an element to Yxy 63.0214, 0.2267, 0.3109 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(65, 228, 242) }
```

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

```
.border{ border-color:rgb(65, 228, 242) }
```

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

Here you see how a box with a 4 pixel rgb(65, 228, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 228, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 228, 242);  
box-shadow:4px 4px 4px 4px rgb(65, 228,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0214, 0.2267, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 228, 242) }
```

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

```
.background{ background-color: rgb(65, 228,  
242) }
```

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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