

Converting Colors

$Yxy(62.5894, 0.2391, 0.3099)$

Have a look what the booklet for
Yxy(62.5894, 0.2391, 0.3099)
contains.

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Color

Yxy(62.7314, 0.2393, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	6CE0EF
RGB	108, 224, 239
RGB Percent	42%, 88%, 94%
CMY	0.5762, 0.1216, 0.0628
CMYK	0.55, 0.06, 0.00, 0.06
HSL	187°, 80%, 68%
HSV	187°, 55%, 94%
XYZ	48.4246, 62.7314, 91.2034
YIQ	191.0260, -73.9510, -19.9270

Conversions

Conversions Part 2

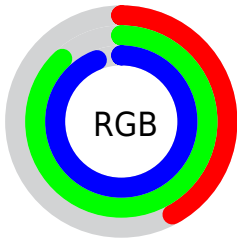
Format	Color
R _{YB}	108, 170, 239
Decimal	7135471
CIE Lab	83.30, -28.68, -17.32
CIE LCh	83, 33.503, 211.132
Yxy	62.7314, 0.2393, 0.3100
Android (android.graphics.Color)	4285325551 (0xFF6CE0EF)
YUV	191.0260, 23.6512, -72.8138
Hunter-Lab	79.2032, -29.4711, -12.8309

Details

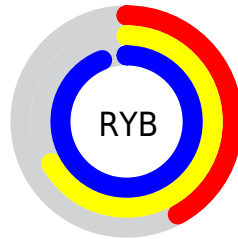
The Yxy color **62.7314, 0.2393, 0.3100** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.6151, 0.4665, 0.3454**, and the grayscale version is **52.0207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **31.7992, 0.2221, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **59.9749, 0.2305, 0.3060**, and if you desaturate by 10%, it is **65.9270, 0.2499, 0.3139**.

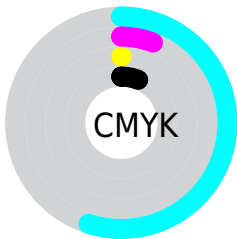
Distribution



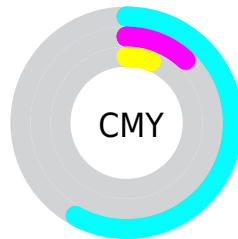
- Red (42%)
- Green (88%)
- Blue (94%)



- Red (42%)
- Yellow (67%)
- Blue (94%)



- Cyan (55%)
- Magenta (6%)
- Yellow (0%)
- Black (6%)




- Cyan (58%)
- Magenta (12%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.7314, 0.2393, 0.3100 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 62.7314, 0.2393, 0.3100 by changing the saturation by 10% instead.


 62.7314, 0.2393,
0.3100


 62.7314, 0.2393,
0.3100


434.5940, 0.2732,
0.3200


 45.6239, 0.2316,
0.3074


 108.7819, 0.2510,
0.3137

 31.9492, 0.2222,
0.3041


 138.4938, 0.2556,
0.3151

 21.3227, 0.2104,
0.2997


 173.1759, 0.2595,
0.3162

 13.3601, 0.1953,
0.2936

213.2126, 0.2629,
0.3172

 7.6770, 0.1751,
0.2845

258.9884, 0.2660,
0.3180

 3.8889, 0.1472,
0.2702

310.8877, 0.2686,

 1.6116, 0.1066,

0.3188

0.2457

369.2947, 0.2710,
0.3194

0.3654, 0.0000,
0.1717

0.0000, 0.0000,
0.0000

62.7314, 0.2393,
0.3100

62.7314, 0.2393,
0.3100

59.9749, 0.2305,
0.3060

65.9270, 0.2499,
0.3139

57.6159, 0.2236,
0.3020


69.5852, 0.2621,
0.3177

55.6165, 0.2187,
0.2979


73.7361, 0.2756,
0.3212

53.9276, 0.2156,
0.2940

78.4053, 0.2901,
0.3246

 53.1296, 0.2144,
0.2919

 83.6164, 0.3053,
0.3276

 89.3915, 0.3209,
0.3304

 91.6814, 0.3230,
0.3331

 93.3327, 0.3228,
0.3357

 95.0084, 0.3226,
0.3384

Harmonies

Analogous

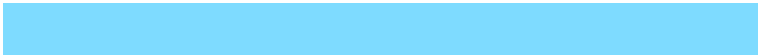
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.7314, 0.2616, 0.3514



62.7314, 0.2393, 0.3100



62.7314, 0.2354, 0.2780

Triad

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



62.7314, 0.2393, 0.3100



62.7314, 0.3233, 0.2788



62.7314, 0.3765, 0.3980

Complementary

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



62.7314, 0.2393, 0.3100



33.6151, 0.4665, 0.3454

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.



62.7314, 0.3961, 0.3729



62.7314, 0.2393, 0.3100



62.7314, 0.3646, 0.3060

Square

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



62.7314, 0.2393, 0.3100



62.7314, 0.2815, 0.2629



62.7314, 0.3920, 0.3395



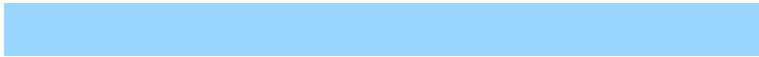
62.7314, 0.3402, 0.4052

Rectangle

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



62.7314, 0.2393, 0.3100



62.7314, 0.2433, 0.2655



62.7314, 0.3920, 0.3395



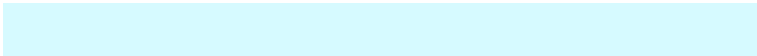
62.7314, 0.3854, 0.3911

Sweetspot

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



62.7338, 0.2393, 0.3100



90.1221, 0.2882, 0.3241



66.3011, 0.2987, 0.4889



19.0433, 0.2852, 0.3235



0.0000, 0.0000, 0.0000



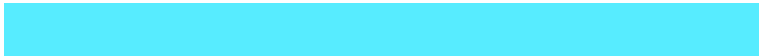
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.7338, 0.2393, 0.3100



69.0684, 0.2294, 0.3054



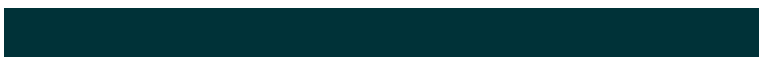
34.7195, 0.2211, 0.2230



17.6018, 0.2981, 0.3262



29.4895, 0.2146, 0.2925



2.5402, 0.2161, 0.2978

Inverse Universe

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



34.4718, 0.3334, 0.2112



34.0685, 0.3386, 0.1932



54.8130, 0.4221, 0.4132



15.9984, 0.3155, 0.3083



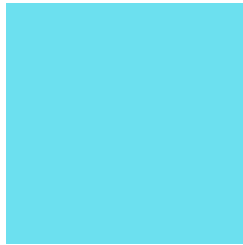
12.7703, 0.3520, 0.1713



1.0712, 0.3474, 0.1687

Previews

White Background



This preview shows how the Yxy color 62.7314, 0.2393, 0.3100 looks on a white background.

Color Contrast Check

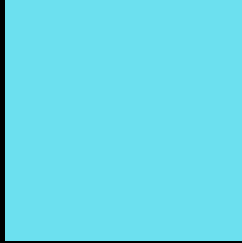
Large Text (above 18pt) WCAG AA × Fail

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 62.7314, 0.2393, 0.3100 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 62.7314, 0.2393, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 62.7314, 0.2393, 0.3100.

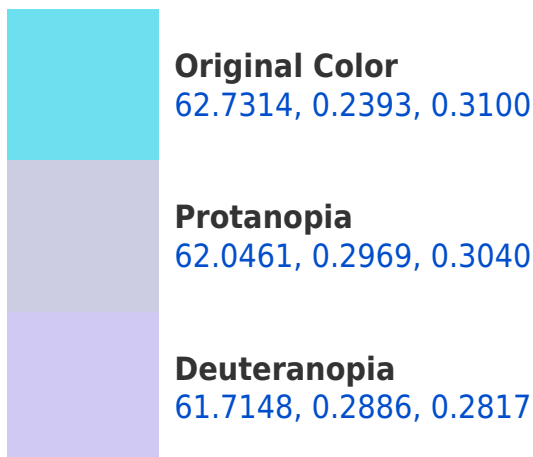


This preview shows how white text looks on a background with the Yxy color 62.7314, 0.2393, 0.3100.

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





Tritanopia

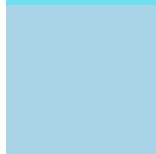
62.9733, 0.2383, 0.3064

Trichromacy



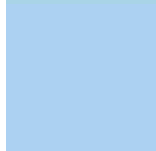
Original Color

62.7314, 0.2393, 0.3100



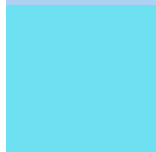
Protanomaly

61.2915, 0.2714, 0.3062



Deuteranomaly

60.7824, 0.2666, 0.2902



Tritanomaly

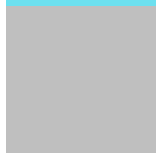
62.9134, 0.2388, 0.3076

Monochromacy



Original Color

62.7314, 0.2393, 0.3100



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.8430, 0.2790, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7314, 0.2393, 0.3100 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(108, 224, 239)` looks like.

```
.text, #text, p{  
    color:rgb(108, 224, 239)  
}
```

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(108, 224, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 224, 239) }
```

Border

The CSS property to change the border of an element to Yxy 62.7314, 0.2393, 0.3100 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(108, 224, 239) }
```

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

```
.border{ border-color:rgb(108, 224, 239) }
```

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

Here you see how a box with a 4 pixel rgb(108, 224, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 224, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 224, 239);  
box-shadow:4px 4px 4px 4px rgb(108, 224,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7314, 0.2393, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 224, 239) }
```

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

```
.background{ background-color: rgb(108,  
224, 239) }
```

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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