

Converting Colors

$Yxy(64.0203, 0.2639, 0.3119)$

Have a look what the booklet for
Yxy(64.0203, 0.2639, 0.3119)
contains.

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Color

Yxy(64.2950, 0.2638, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	9DDCEA
RGB	157, 220, 234
RGB Percent	62%, 86%, 92%
CMY	0.3843, 0.1372, 0.0825
CMYK	0.33, 0.06, 0.00, 0.08
HSL	191°, 65%, 77%
HSV	191°, 33%, 92%
XYZ	54.3448, 64.2950, 87.3679
YIQ	202.7590, -42.0420, -9.0020

Conversions

Conversions Part 2

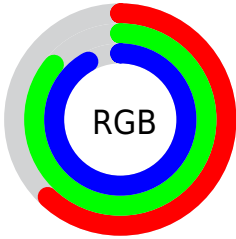
Format	Color
RYB	157, 192, 234
Decimal	10345706
CIELab	84.12, -16.55, -13.23
CIELCh	84, 21.190, 218.634
Yxy	64.2950, 0.2638, 0.3121
Android (android.graphics.Color)	4288535786 (0xFF9DDCEA)
YUV	202.7590, 15.4018, -40.1306
Hunter-Lab	80.1842, -19.3439, -8.4729

Details

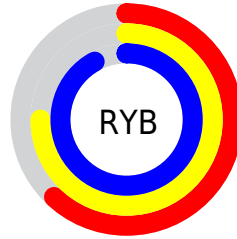
The Yxy color **64.2950, 0.2638, 0.3121** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.0336, 0.3840, 0.3451**, and the grayscale version is **59.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **32.9494, 0.2521, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **59.9651, 0.2507, 0.3061**, and if you desaturate by 10%, it is **69.1372, 0.2780, 0.3177**.

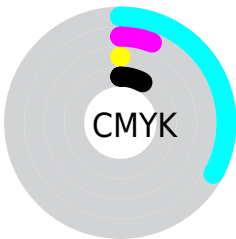
Distribution



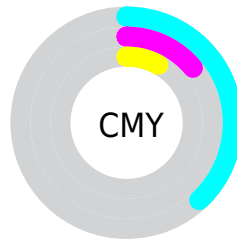
- Red (62%)
- Green (86%)
- Blue (92%)



- Red (62%)
- Yellow (75%)
- Blue (92%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)





- Cyan (38%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2950, 0.2638, 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 64.2950, 0.2638, 0.3121 by changing the saturation by 10% instead.


 64.2950, 0.2638,
0.3121


 64.2950, 0.2638,
0.3121

440.2542, 0.2865,
0.3205

 46.8896, 0.2586,
0.3100


 111.0357, 0.2717,
0.3151

 32.9484, 0.2522,
0.3074


 141.1398, 0.2748,
0.3163

 22.0869, 0.2440,
0.3040


176.2456, 0.2774,
0.3172

 13.9208, 0.2334,
0.2993

216.7375, 0.2797,
0.3181

 8.0656, 0.2189,
0.2926

263.0000, 0.2817,
0.3188

 4.1370, 0.1983,
0.2822

315.4173, 0.2835,

 1.7505, 0.1669,

0.3194

0.2644

374.3739, 0.2851,
0.3200

0.4560, 0.0148,
0.2300

0.0000, 0.0000,
0.0000

64.2950, 0.2638,
0.3121

64.2950, 0.2638,
0.3121

59.9651, 0.2507,
0.3061

69.1372, 0.2780,
0.3177

56.1135, 0.2390,
0.2999

74.5083, 0.2929,
0.3229

52.7141, 0.2290,
0.2934

80.4332, 0.3082,
0.3277

49.7346, 0.2208,
0.2868

86.9330, 0.3237,
0.3320

■ 47.1377, 0.2145,
0.2802

■ 90.2480, 0.3263,
0.3361

■ 44.8784, 0.2102,
0.2736

■ 92.7938, 0.3259,
0.3402

■ 43.4301, 0.2081,
0.2690

■ 95.3986, 0.3255,
0.3443

■ 98.0627, 0.3251,
0.3483

■ 98.7191, 0.3250,
0.3493

Harmonies

Analogous

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



64.2950, 0.2758, 0.3368



64.2950, 0.2638, 0.3121



64.2950, 0.2643, 0.2935

Triad

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



64.2950, 0.2638, 0.3121



64.2950, 0.3266, 0.3004



64.2950, 0.3484, 0.3748

Complementary

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



64.2950, 0.2638, 0.3121



49.0336, 0.3840, 0.3451

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.



64.2950, 0.3633, 0.3625



64.2950, 0.2638, 0.3121



64.2950, 0.3506, 0.3200

Square

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



64.2950, 0.2638, 0.3121



64.2950, 0.2996, 0.2879



64.2950, 0.3643, 0.3423



64.2950, 0.3242, 0.3745

Rectangle

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



64.2950, 0.2638, 0.3121



64.2950, 0.2715, 0.2867



64.2950, 0.3643, 0.3423



64.2950, 0.3547, 0.3719

Sweetspot

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



64.2975, 0.2638, 0.3121



92.5640, 0.2972, 0.3243



68.8946, 0.3009, 0.4100



19.6007, 0.2951, 0.3236



0.0000, 0.0000, 0.0000



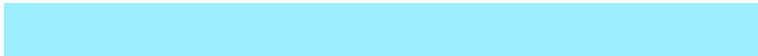
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2975, 0.2638, 0.3121



74.7865, 0.2554, 0.3084



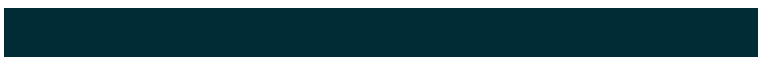
46.8315, 0.2578, 0.2647



16.6300, 0.2981, 0.3246



24.5816, 0.2083, 0.2700



2.0512, 0.2109, 0.2791

Inverse Universe

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



46.7682, 0.3285, 0.2608



50.9981, 0.3323, 0.2480



65.1878, 0.3706, 0.3857



15.2641, 0.3166, 0.3099



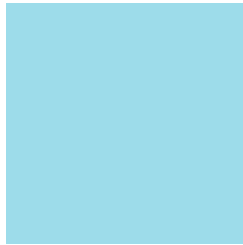
11.9743, 0.3728, 0.1827



0.9525, 0.3643, 0.1781

Previews

White Background



This preview shows how the Yxy color 64.2950, 0.2638, 0.3121 looks on a white background.

Color Contrast Check

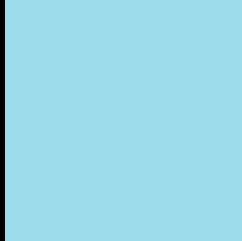
Large Text (above 18pt) WCAG AA × Fail

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 64.2950, 0.2638, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

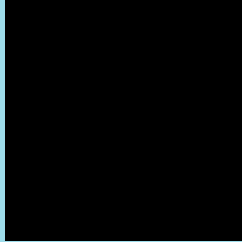
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2950, 0.2638, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 64.2950, 0.2638, 0.3121.

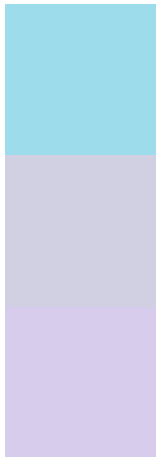


This preview shows how white text looks on a background with the Yxy color 64.2950, 0.2638, 0.3121.

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

64.2950, 0.2638, 0.3121

Protanopia

64.0126, 0.3005, 0.3087

Deuteranopia

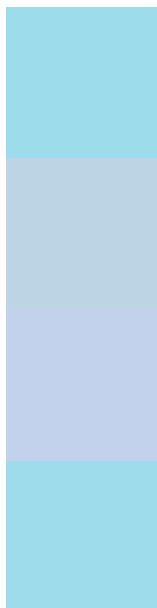
63.8991, 0.2989, 0.2930



Tritanopia

64.5699, 0.2628, 0.3086

Trichromacy



Original Color

64.2950, 0.2638, 0.3121

Protanomaly

63.5629, 0.2855, 0.3092

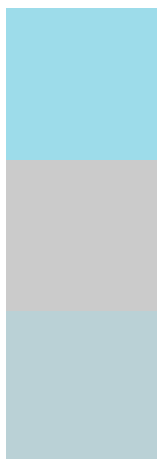
Deuteranomaly

63.7514, 0.2851, 0.2994

Tritanomaly

64.5116, 0.2633, 0.3098

Monochromacy



Original Color

64.2950, 0.2638, 0.3121

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.8951, 0.2927, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2950, 0.2638, 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(157, 220, 234)` looks like.

```
.text, #text, p{  
    color:rgb(157, 220, 234)  
}
```

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(157, 220, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 220, 234) }
```

Border

The CSS property to change the border of an element to Yxy 64.2950, 0.2638, 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(157, 220, 234) }
```

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

```
.border{ border-color:rgb(157, 220, 234) }
```

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

Here you see how a box with a 4 pixel rgb(157, 220, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 220, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 220, 234);  
box-shadow:4px 4px 4px 4px rgb(157, 220,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2950, 0.2638, 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(157, 220, 234) }
```

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

```
.background{ background-color: rgb(157,  
220, 234) }
```

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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