

Converting Colors

$Yxy(63.8486, 0.2540, 0.3056)$

Have a look what the booklet for
Yxy(63.8486, 0.2540, 0.3056)
contains.

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Color

Yxy(63.9335, 0.2540, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	90DDF0
RGB	144, 221, 240
RGB Percent	56%, 87%, 94%
CMY	0.4353, 0.1333, 0.0588
CMYK	0.40, 0.08, 0.00, 0.06
HSL	192°, 76%, 75%
HSV	192°, 40%, 94%
XYZ	53.0863, 63.9335, 91.9815
YIQ	200.1430, -51.9910, -10.4150

Conversions

Conversions Part 2

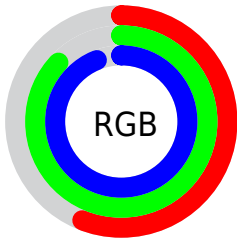
Format	Color
RYB	144, 187, 240
Decimal	9494000
CIELab	83.93, -18.97, -16.77
CIELCh	84, 25.320, 221.476
Yxy	63.9335, 0.2540, 0.3059
Android (android.graphics.Color)	4287684080 (0xFF90DDF0)
YUV	200.1430, 19.6495, -49.2374
Hunter-Lab	79.9584, -21.4168, -12.2343

Details

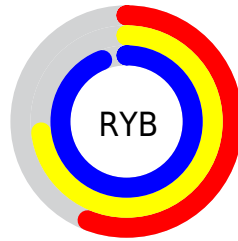
The Yxy color **63.9335, 0.2540, 0.3059** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.7348, 0.4054, 0.3504**, and the grayscale version is **57.7540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **32.8078, 0.2405, 0.2999** is the 20% darker color. If you saturate the color by 10%, you get **59.5267, 0.2417, 0.2991**, and if you desaturate by 10%, it is **68.8755, 0.2676, 0.3124**.

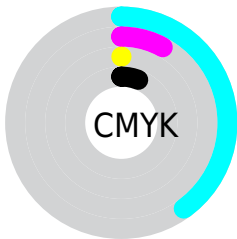
Distribution



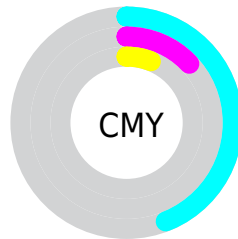
- Red (56%)
- Green (87%)
- Blue (94%)



- Red (56%)
- Yellow (73%)
- Blue (94%)



- Cyan (40%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)





- Cyan (44%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9335, 0.2540, 0.3059 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 63.9335, 0.2540, 0.3059 by changing the saturation by 10% instead.


 63.9335, 0.2540,
0.3059

 63.9335, 0.2540,
0.3059


438.9495, 0.2812,
0.3174

 46.5968, 0.2478,
0.3031


 110.5152, 0.2634,
0.3100

 32.7170, 0.2402,
0.2995


 140.5289, 0.2671,
0.3116

 21.9098, 0.2306,
0.2949


175.5372, 0.2702,
0.3129

 13.7906, 0.2182,
0.2885

215.9243, 0.2730,
0.3141

 7.9752, 0.2014,
0.2795

262.0747, 0.2754,
0.3151

 4.0791, 0.1779,
0.2657

314.3728, 0.2776,

 1.7179, 0.1431,

0.3159

0.2426

373.2029, 0.2795,
0.3167

0.4352, 0.0000,
0.1930

0.0000, 0.0000,
0.0000

63.9335, 0.2540,
0.3059

63.9335, 0.2540,
0.3059

59.5267, 0.2417,
0.2991

68.8755, 0.2676,
0.3124

55.6179, 0.2309,
0.2920

74.3727, 0.2821,
0.3184

52.1760, 0.2219,
0.2848

80.4529, 0.2973,
0.3239

49.1631, 0.2149,
0.2775

87.1395, 0.3127,
0.3290

■ 46.5340, 0.2098,
0.2703

■ 92.7068, 0.3223,
0.3336

■ 44.2129, 0.2064,
0.2631

■ 95.6140, 0.3219,
0.3382

■ 44.2126, 0.2064,
0.2631

■ 98.5954, 0.3215,
0.3427

■ 99.0714, 0.3214,
0.3434

Harmonies

Analogous

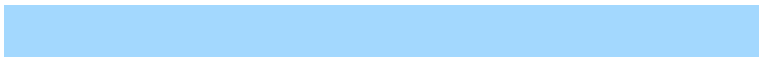
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9335, 0.2667, 0.3353



63.9335, 0.2540, 0.3059



63.9335, 0.2560, 0.2850

Triad

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



63.9335, 0.2540, 0.3059



63.9335, 0.3322, 0.2970



63.9335, 0.3528, 0.3846

Complementary

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



63.9335, 0.2540, 0.3059



46.7348, 0.4054, 0.3504

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.



63.9335, 0.3723, 0.3705



63.9335, 0.2540, 0.3059



63.9335, 0.3603, 0.3205

Square

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



63.9335, 0.2540, 0.3059



63.9335, 0.2998, 0.2813



63.9335, 0.3753, 0.3469



63.9335, 0.3231, 0.3830

Rectangle

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



63.9335, 0.2540, 0.3059



63.9335, 0.2654, 0.2780



63.9335, 0.3753, 0.3469



63.9335, 0.3608, 0.3814

Sweetspot

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



63.9360, 0.2540, 0.3059



90.8481, 0.2941, 0.3228



70.8459, 0.2977, 0.4292



19.2451, 0.2921, 0.3221



0.0000, 0.0000, 0.0000



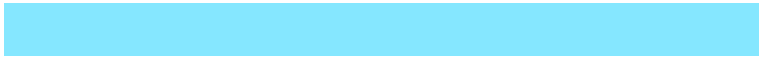
21.4041, 0.3127, 0.3290

Same Dimension

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



63.9360, 0.2540, 0.3059



69.2007, 0.2438, 0.3004



42.6493, 0.2446, 0.2458



17.3664, 0.2981, 0.3242



24.3937, 0.2067, 0.2643



2.1631, 0.2094, 0.2737

Inverse Universe

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



43.6941, 0.3343, 0.2477



43.6826, 0.3400, 0.2322



66.4369, 0.3846, 0.3997



15.9747, 0.3168, 0.3103



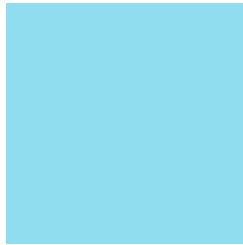
12.2559, 0.3783, 0.1858



1.0331, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 63.9335, 0.2540, 0.3059 looks on a white background.

Color Contrast Check

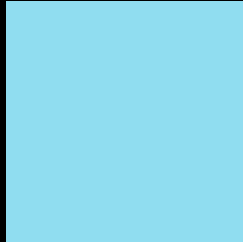
Large Text (above 18pt) WCAG AA × Fail

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 63.9335, 0.2540, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

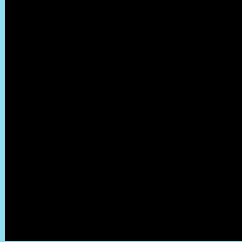
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.9335, 0.2540, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 63.9335, 0.2540, 0.3059.

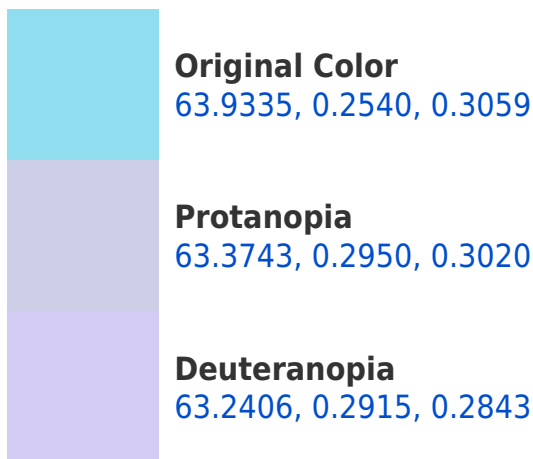


This preview shows how white text looks on a background with the Yxy color 63.9335, 0.2540, 0.3059.

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

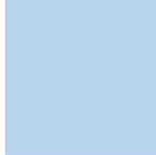
63.8742, 0.2545, 0.3071

Trichromacy



Original Color

63.9335, 0.2540, 0.3059



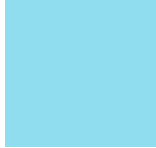
Protanomaly

63.0948, 0.2785, 0.3034



Deuteranomaly

63.1290, 0.2756, 0.2913



Tritanomaly

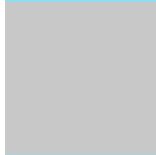
63.8742, 0.2545, 0.3071

Monochromacy



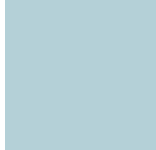
Original Color

63.9335, 0.2540, 0.3059



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.7213, 0.2879, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9335, 0.2540, 0.3059 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(144, 221, 240)` looks like.

```
.text, #text, p{  
    color:rgb(144, 221, 240)  
}
```

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(144, 221, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 221, 240) }
```

Border

The CSS property to change the border of an element to Yxy 63.9335, 0.2540, 0.3059 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(144, 221, 240) }
```

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

```
.border{ border-color:rgb(144, 221, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 221, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 221, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 221, 240);  
box-shadow:4px 4px 4px 4px rgb(144, 221,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9335, 0.2540, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 221, 240) }
```

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

```
.background{ background-color: rgb(144,  
221, 240) }
```

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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