

Converting Colors

$Yxy(63.2607, 0.2613, 0.3096)$

Have a look what the booklet for
Yxy(63.2607, 0.2613, 0.3096)
contains.

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Color

Yxy(63.4335, 0.2609, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	99DBEB
RGB	153, 219, 235
RGB Percent	60%, 86%, 92%
CMY	0.4001, 0.1411, 0.0786
CMYK	0.35, 0.07, 0.00, 0.08
HSL	192°, 67%, 76%
HSV	192°, 35%, 92%
XYZ	53.4554, 63.4335, 87.9996
YIQ	201.0900, -44.4720, -9.0160

Conversions

Conversions Part 2

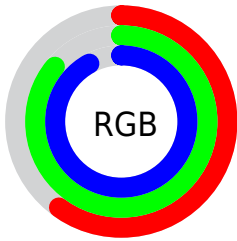
Format	Color
RYB	153, 190, 235
Decimal	10083307
CIELab	83.67, -16.89, -14.45
CIELCh	84, 22.231, 220.546
Yxy	63.4335, 0.2609, 0.3096
Android (android.graphics.Color)	4288273387 (0xFF99DBEB)
YUV	201.0900, 16.7176, -42.1749
Hunter-Lab	79.6452, -19.5752, -9.7577

Details

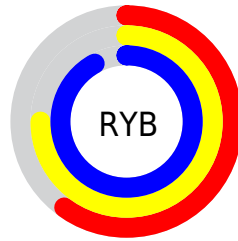
The Yxy color **63.4335, 0.2609, 0.3096** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.3044, 0.3895, 0.3473**, and the grayscale version is **58.3790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **32.4023, 0.2487, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **59.0176, 0.2479, 0.3031**, and if you desaturate by 10%, it is **68.3700, 0.2750, 0.3157**.

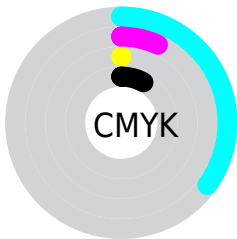
Distribution



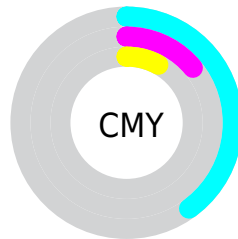
- Red (60%)
- Green (86%)
- Blue (92%)



- Red (60%)
- Yellow (75%)
- Blue (92%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (8%)





- Cyan (40%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4335, 0.2609, 0.3096 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 63.4335, 0.2609, 0.3096 by changing the saturation by 10% instead.

 63.4335, 0.2609,
0.3096


 63.4335, 0.2609,
0.3096

437.1410, 0.2850,
0.3192

 46.1920, 0.2554,
0.3072


 109.7947, 0.2693,
0.3131

 32.3974, 0.2486,
0.3042


 139.6831, 0.2725,
0.3144

 21.6652, 0.2399,
0.3003


174.5561, 0.2753,
0.3155

 13.6111, 0.2287,
0.2950

214.7978, 0.2778,
0.3165

 7.8507, 0.2134,
0.2873

260.7928, 0.2799,
0.3173

 3.9995, 0.1916,
0.2754

312.9254, 0.2818,

 1.6733, 0.1586,

0.3180

0.2552

371.5800, 0.2835,
0.3187

0.4063, 0.0000,
0.2088

0.0000, 0.0000,
0.0000

63.4335, 0.2609,
0.3096

63.4335, 0.2609,
0.3096

59.0176, 0.2479,
0.3031

68.3700, 0.2750,
0.3157

55.0878, 0.2364,
0.2963

73.8446, 0.2898,
0.3214

51.6168, 0.2265,
0.2893

79.8829, 0.3051,
0.3266

48.5709, 0.2185,
0.2821

86.5066, 0.3206,
0.3314

■ 45.9111, 0.2125,
0.2750

■ 90.6860, 0.3256,
0.3358

■ 43.5899, 0.2084,
0.2679

■ 93.4400, 0.3252,
0.3402

■ 42.4983, 0.2068,
0.2643

■ 96.2626, 0.3248,
0.3446

■ 98.7764, 0.3244,
0.3483

Harmonies

Analogous

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



63.4335, 0.2726, 0.3355



63.4335, 0.2609, 0.3096



63.4335, 0.2623, 0.2907

Triad

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



63.4335, 0.2609, 0.3096



63.4335, 0.3291, 0.3001



63.4335, 0.3489, 0.3777

Complementary

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



63.4335, 0.2609, 0.3096



48.3044, 0.3895, 0.3473

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.



63.4335, 0.3655, 0.3653



63.4335, 0.2609, 0.3096



63.4335, 0.3540, 0.3209

Square

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



63.4335, 0.2609, 0.3096



63.4335, 0.3006, 0.2864



63.4335, 0.3675, 0.3444



63.4335, 0.3229, 0.3765

Rectangle

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



63.4335, 0.2609, 0.3096



63.4335, 0.2704, 0.2841



63.4335, 0.3675, 0.3444



63.4335, 0.3558, 0.3749

Sweetspot

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



63.4360, 0.2609, 0.3096



92.3553, 0.2972, 0.3240



68.9959, 0.2995, 0.4141



19.5500, 0.2951, 0.3233



0.0000, 0.0000, 0.0000



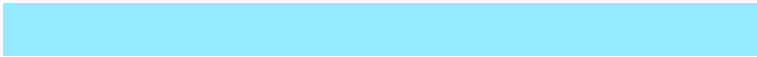
21.4041, 0.3127, 0.3290

Same Dimension

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



63.4360, 0.2609, 0.3096



72.4433, 0.2513, 0.3049



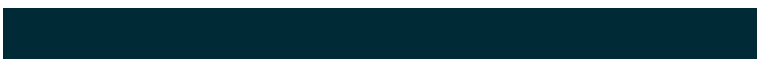
44.9806, 0.2540, 0.2583



16.5948, 0.2981, 0.3243



23.8407, 0.2071, 0.2655



1.9994, 0.2098, 0.2753

Inverse Universe

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



45.5449, 0.3306, 0.2577



48.3582, 0.3354, 0.2432



65.5584, 0.3742, 0.3906



15.2606, 0.3168, 0.3102



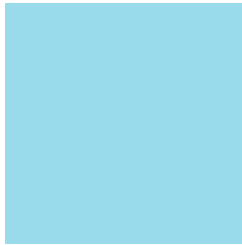
11.8995, 0.3771, 0.1851



0.9472, 0.3679, 0.1800

Previews

White Background



This preview shows how the Yxy color 63.4335, 0.2609, 0.3096 looks on a white background.

Color Contrast Check

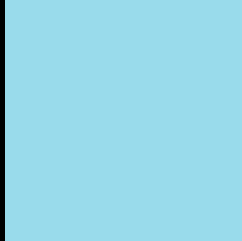
Large Text (above 18pt) WCAG AA × Fail

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 63.4335, 0.2609, 0.3096 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 63.4335, 0.2609, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 63.4335, 0.2609, 0.3096.

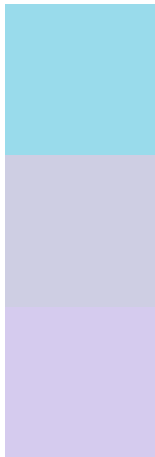


This preview shows how white text looks on a background with the Yxy color 63.4335, 0.2609, 0.3096.

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

63.4335, 0.2609, 0.3096

Protanopia

62.8105, 0.2984, 0.3053

Deuteranopia

63.0311, 0.2961, 0.2906



Tritanopia

63.4915, 0.2604, 0.3084

Trichromacy



Original Color

63.4335, 0.2609, 0.3096

Protanomaly

62.8665, 0.2834, 0.3069

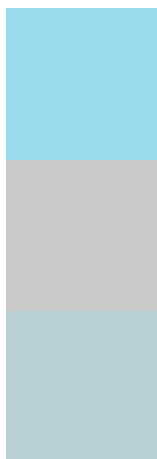
Deuteranomaly

62.7917, 0.2817, 0.2969

Tritanomaly

63.4915, 0.2604, 0.3084

Monochromacy



Original Color

63.4335, 0.2609, 0.3096

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.1062, 0.2919, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4335, 0.2609, 0.3096 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(153, 219, 235)` looks like.

```
.text, #text, p{  
    color:rgb(153, 219, 235)  
}
```

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(153, 219, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 219, 235) }
```

Border

The CSS property to change the border of an element to Yxy 63.4335, 0.2609, 0.3096 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(153, 219, 235) }
```

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

```
.border{ border-color:rgb(153, 219, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 219, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 219, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 219, 235);  
box-shadow:4px 4px 4px 4px rgb(153, 219,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4335, 0.2609, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 219, 235) }
```

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

```
.background{ background-color: rgb(153,  
219, 235) }
```

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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