

Converting Colors

$Yxy(65.5808, 0.2633, 0.3129)$

Have a look what the booklet for
Yxy(65.5808, 0.2633, 0.3129)
contains.

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Color

Yxy(65.4668, 0.2630, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	9DDEEC
RGB	157, 222, 236
RGB Percent	62%, 87%, 93%
CMY	0.3847, 0.1293, 0.0745
CMYK	0.34, 0.06, 0.00, 0.07
HSL	191°, 68%, 77%
HSV	191°, 34%, 93%
XYZ	55.1498, 65.4668, 89.0785
YIQ	204.1610, -43.2340, -9.4260

Conversions

Conversions Part 2

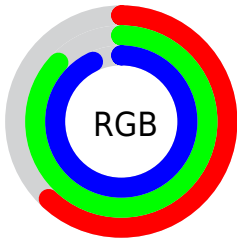
Format	Color
RYB	157, 193, 236
Decimal	10346220
CIELab	84.72, -17.12, -13.39
CIELCh	85, 21.736, 218.036
Yxy	65.4668, 0.2630, 0.3122
Android (android.graphics.Color)	4288536300 (0xFF9DDEEC)
YUV	204.1610, 15.6966, -41.3602
Hunter-Lab	80.9116, -19.9286, -8.6364

Details

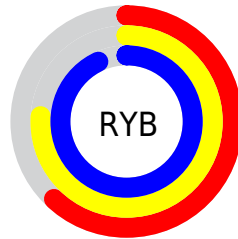
The Yxy color **65.4668, 0.2630, 0.3122** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.3367, 0.3860, 0.3450**, and the grayscale version is **60.3983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **33.7575, 0.2514, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **61.1358, 0.2500, 0.3064**, and if you desaturate by 10%, it is **70.3160, 0.2771, 0.3177**.

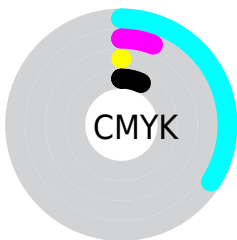
Distribution



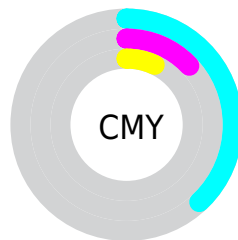
- Red (62%)
- Green (87%)
- Blue (93%)



- Red (62%)
- Yellow (76%)
- Blue (93%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)




- Cyan (38%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4668, 0.2630, 0.3122 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 65.4668, 0.2630, 0.3122 by changing the saturation by 10% instead.


 65.4668, 0.2630,
0.3122


 65.4668, 0.2630,
0.3122

444.4675, 0.2860,
0.3205

 47.8397, 0.2577,
0.3102

 112.7207, 0.2710,
0.3152

 33.7000, 0.2513,
0.3076


 143.1163, 0.2741,
0.3163

 22.6632, 0.2431,
0.3042


178.5368, 0.2768,
0.3173

 14.3450, 0.2324,
0.2996

219.3667, 0.2791,
0.3181

 8.3610, 0.2180,
0.2929

265.9903, 0.2811,
0.3189

 4.3268, 0.1975,
0.2827

318.7921, 0.2830,

 1.8580, 0.1665,

0.3195

0.2654

378.1564, 0.2846,
0.3200

0.5229, 0.0357,
0.2360

0.0000, 0.0000,
0.0000

65.4668, 0.2630,
0.3122

65.4668, 0.2630,
0.3122

61.1358, 0.2500,
0.3064

70.3160, 0.2771,
0.3177

57.2883, 0.2385,
0.3003

75.7004, 0.2919,
0.3228

53.8974, 0.2286,
0.2939

81.6456, 0.3073,
0.3275

50.9297, 0.2206,
0.2875

88.1731, 0.3228,
0.3317

■ 48.3470, 0.2146,
0.2811

■ 91.3331, 0.3249,
0.3357

■ 46.1027, 0.2104,
0.2747

■ 93.8538, 0.3245,
0.3398

■ 44.7821, 0.2085,
0.2707

■ 96.4314, 0.3242,
0.3437

■ 98.8356, 0.3238,
0.3473

Harmonies

Analogous

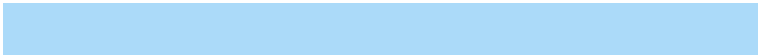
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.4668, 0.2754, 0.3375



65.4668, 0.2630, 0.3122



65.4668, 0.2632, 0.2931

Triad

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



65.4668, 0.2630, 0.3122



65.4668, 0.3263, 0.2996



65.4668, 0.3495, 0.3756

Complementary

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



65.4668, 0.2630, 0.3122



49.3367, 0.3860, 0.3450

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.



65.4668, 0.3645, 0.3627



65.4668, 0.2630, 0.3122



65.4668, 0.3509, 0.3193

Square

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



65.4668, 0.2630, 0.3122



65.4668, 0.2988, 0.2870



65.4668, 0.3651, 0.3421



65.4668, 0.3249, 0.3756

Rectangle

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



65.4668, 0.2630, 0.3122



65.4668, 0.2705, 0.2860



65.4668, 0.3651, 0.3421



65.4668, 0.3559, 0.3725

Sweetspot

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



65.4694, 0.2630, 0.3122



92.6411, 0.2972, 0.3245



70.0489, 0.3007, 0.4118



19.6195, 0.2951, 0.3238



0.0000, 0.0000, 0.0000



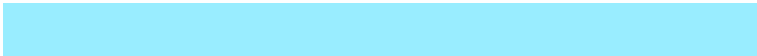
21.4041, 0.3127, 0.3290

Same Dimension

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



65.4694, 0.2630, 0.3122



74.5545, 0.2542, 0.3084



47.1889, 0.2567, 0.2633



16.6430, 0.2981, 0.3247



24.8588, 0.2088, 0.2717



2.0705, 0.2113, 0.2805

Inverse Universe

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



47.1862, 0.3285, 0.2591



50.1563, 0.3325, 0.2455



66.1713, 0.3719, 0.3868



15.2655, 0.3165, 0.3098



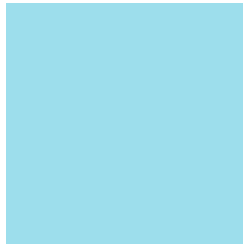
12.0023, 0.3712, 0.1819



0.9544, 0.3630, 0.1774

Previews

White Background



This preview shows how the Yxy color 65.4668, 0.2630, 0.3122 looks on a white background.

Color Contrast Check

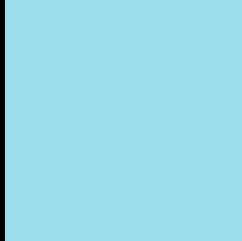
Large Text (above 18pt) WCAG AA × Fail

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 65.4668, 0.2630, 0.3122 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 65.4668, 0.2630, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 65.4668, 0.2630, 0.3122.

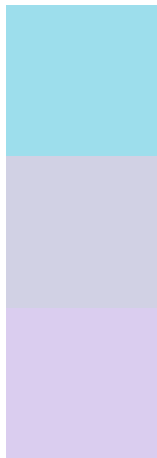


This preview shows how white text looks on a background with the Yxy color 65.4668, 0.2630, 0.3122.

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

65.4668, 0.2630, 0.3122

Protanopia

64.7577, 0.2999, 0.3077

Deuteranopia

64.8001, 0.2990, 0.2922



Tritanopia

65.2140, 0.2619, 0.3075

Trichromacy



Original Color

65.4668, 0.2630, 0.3122

Protanomaly

64.8098, 0.2850, 0.3094

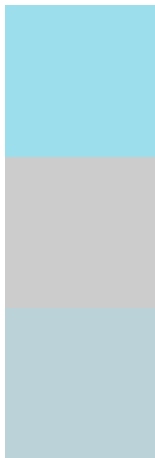
Deuteranomaly

64.4973, 0.2846, 0.2985

Tritanomaly

65.1551, 0.2624, 0.3087

Monochromacy



Original Color

65.4668, 0.2630, 0.3122

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.1112, 0.2922, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4668, 0.2630, 0.3122 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, 222, 236)` looks like.

```
.text, #text, p{  
    color:rgb(157, 222, 236)  
}
```

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, 222, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 222, 236) }
```

Border

The CSS property to change the border of an element to Yxy 65.4668, 0.2630, 0.3122 is called "border". The border property can be set on classes, ids or directly on the HTML element.

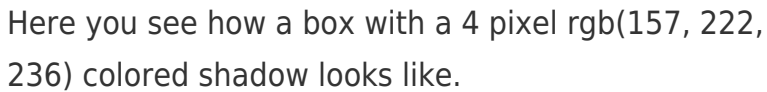
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 222, 236) }
```

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

```
.border{ border-color:rgb(157, 222, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 222, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 222, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 222, 236); box-shadow:4px 4px 4px 4px rgb(157, 222, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4668, 0.2630, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 222, 236) }
```

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

```
.background{ background-color: rgb(157,  
222, 236) }
```

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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